

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041023\
 Data File : VW025568.D
 Acq On : 10 Apr 2023 11:02
 Operator : SY/MD
 Sample : 02215-04 1 PPB MDL
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2023-04DL

Quant Time: Apr 11 02:03:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Apr 11 01:56:03 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	733412	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	654248	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	305879	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	250868	21.020	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.080%
7) Chloroethane-d5	2.899	69	188026	22.128	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.520%
11) 1,1-Dichloroethene-d2	4.021	63	409198	16.954	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.800%
21) 2-Butanone-d5	7.075	46	135797	51.004	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.000%
24) Chloroform-d	7.648	84	492299	23.907	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.640%
26) 1,2-Dichloroethane-d4	8.307	65	264879	24.725	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.880%
32) Benzene-d6	8.276	84	1023336	24.156	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.640%
36) 1,2-Dichloropropane-d6	9.270	67	327484	24.792	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.160%
41) Toluene-d8	10.325	98	893748	24.152	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.600%
43) trans-1,3-Dichloroprop...	10.575	79	114784	23.178	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.720%
47) 2-Hexanone-d5	10.922	63	88332	48.924	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.840%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	221444	24.838	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.360%
66) 1,2-Dichlorobenzene-d4	13.848	152	278421	26.495	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.168	85	363	0.035	ug/L	90
3) Chloromethane	2.216	50	12168	1.023	ug/L	100
5) Vinyl chloride	2.643	62	43	0.003	ug/L	87
6) Bromomethane	2.783	94	7622	1.077	ug/L	97
8) Chloroethane	2.924	64	3189	0.433	ug/L	100
9) Trichlorofluoromethane	3.259	101	8341	0.823	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	3467	0.341	ug/L #	1
12) 1,1-Dichloroethene	3.929	96	44	0.004	ug/L	83
13) Acetone	4.125	43	6719	2.982	ug/L	63
14) Carbon disulfide	4.393	76	39199	1.092	ug/L	98
15) Methyl Acetate	4.673	43	5514	1.089	ug/L #	66
16) Methylene chloride	4.917	84	25426	2.181	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	12582	1.163	ug/L	84
18) Methyl tert-butyl Ether	5.423	73	16482	1.104	ug/L #	73
19) 1,1-Dichloroethane	6.216	63	25736	1.190	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	13588	1.207	ug/L #	85
22) 2-Butanone	7.185	43	7336	2.290	ug/L	94
23) Bromochloromethane	7.520	128	5409	1.171	ug/L	97
25) Chloroform	7.673	83	25676	1.299	ug/L	97

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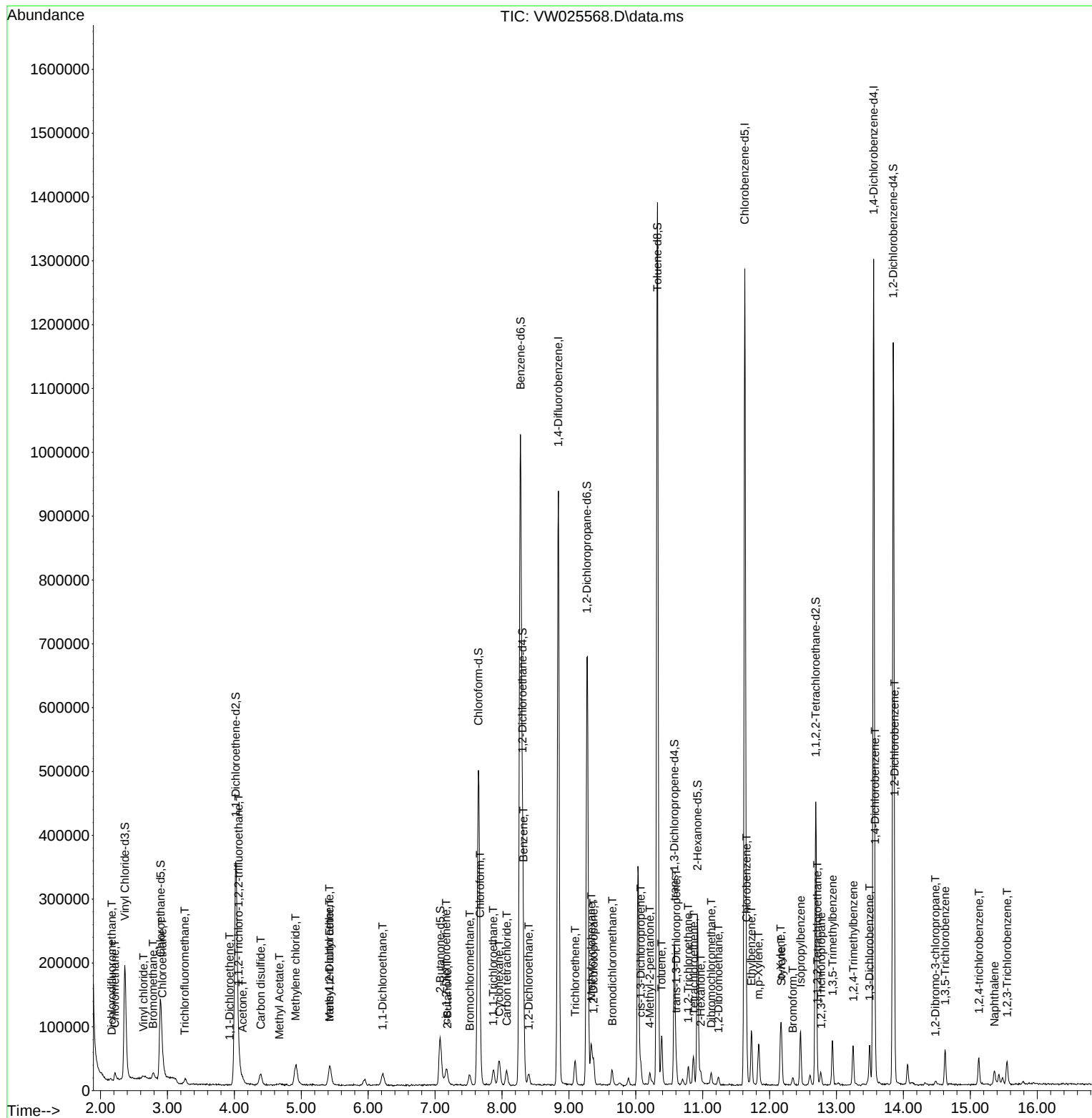
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	15735	1.186	ug/L #	90
29) Cyclohexane	7.959	56	20216	0.955	ug/L	97
30) 1,1,1-Trichloroethane	7.868	97	18460	1.136	ug/L	99
31) Carbon tetrachloride	8.069	117	16587	1.130	ug/L	98
33) Benzene	8.319	78	52564	1.154	ug/L	100
34) Trichloroethene	9.093	95	13129	1.108	ug/L	94
35) Methylcyclohexane	9.337	83	20523	0.960	ug/L	96
37) 1,2-Dichloropropane	9.368	63	14527	1.208	ug/L #	96
38) Bromodichloromethane	9.648	83	16083	1.169	ug/L	89
39) cis-1,3-Dichloropropene	10.075	75	18700	1.084	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	15036	2.209	ug/L	90
42) Toluene	10.386	91	54446	1.174	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	15578	1.095	ug/L	94
45) 1,1,2-Trichloroethane	10.782	97	9269	1.209	ug/L	92
46) Tetrachloroethene	10.867	164	9674	1.161	ug/L	83
48) 2-Hexanone	10.971	43	10350	2.201	ug/L #	86
49) Dibromochloromethane	11.129	129	8962	1.110	ug/L	94
50) 1,2-Dibromoethane	11.233	107	7784	1.105	ug/L	98
51) Chlorobenzene	11.654	112	33799	1.183	ug/L	99
52) Ethylbenzene	11.727	91	57299	1.092	ug/L	99
53) m,p-Xylene	11.837	106	19302	1.003	ug/L	98
54) o-Xylene	12.166	106	18138	1.008	ug/L	94
55) Styrene	12.178	104	28303	0.934	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.714	83	11328	1.233	ug/L	97
59) Bromoform	12.349	173	5179	1.236	ug/L	93
60) Isopropylbenzene	12.465	105	48716	1.017	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	7617	1.202	ug/L	90
62) 1,3,5-Trimethylbenzene	12.940	105	35702	0.944	ug/L	98
63) 1,2,4-Trimethylbenzene	13.251	105	32063	0.880	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	23144	1.166	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	24862	1.226	ug/L	90
67) 1,2-Dichlorobenzene	13.867	146	21408	1.230	ug/L	87
68) 1,2-Dibromo-3-chloropr...	14.476	75	2095	1.506	ug/L #	73
69) 1,3,5-Trichlorobenzene	14.623	180	15696	1.181	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	12602	1.167	ug/L	94
71) Naphthalene	15.360	128	17998	0.893	ug/L #	94
72) 1,2,3-Trichlorobenzene	15.549	180	10321	1.093	ug/L	90

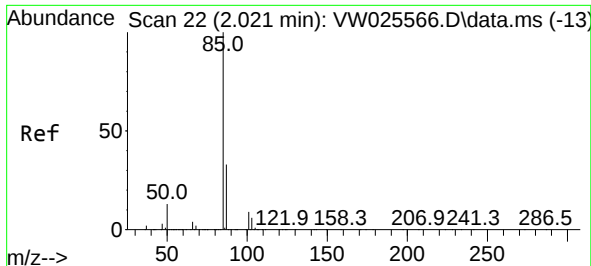
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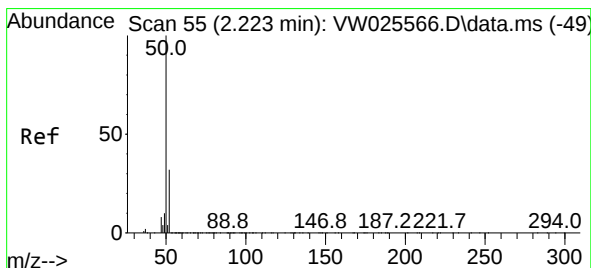
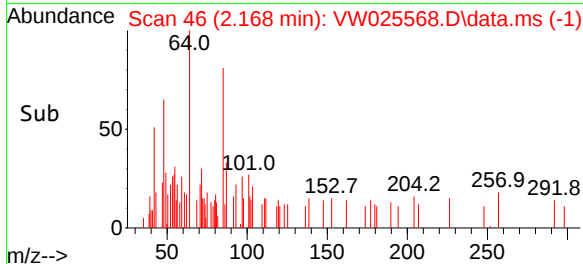
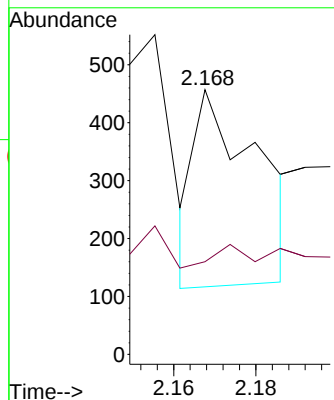
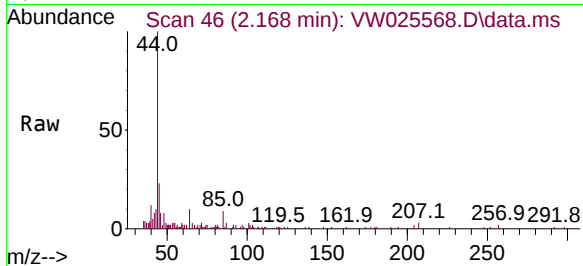




#2
Dichlorodifluoromethane
Concen: 0.035 ug/L
RT: 2.168 min Scan# 41
Delta R.T. 0.146 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

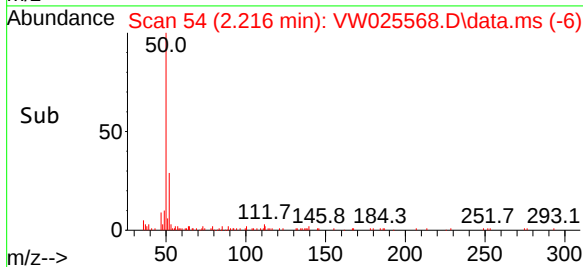
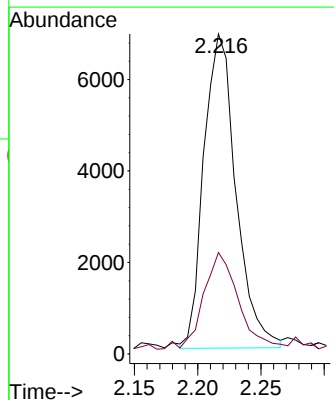
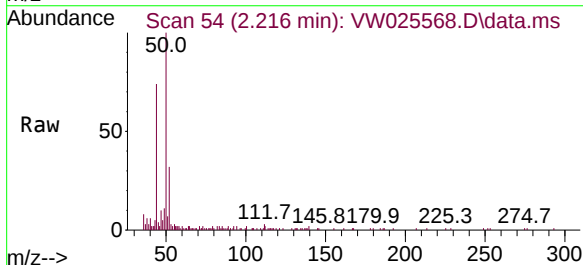
Instrument :
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ClientSampleId :
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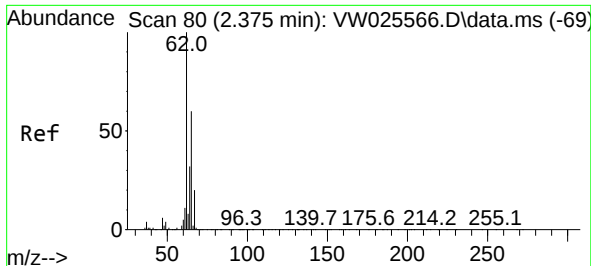
Tgt Ion: 85 Resp: 363
Ion Ratio Lower Upper
85 100
87 25.3 24.6 37.0



#3
Chloromethane
Concen: 1.023 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 50 Resp: 12168
Ion Ratio Lower Upper
50 100
52 31.7 22.2 41.2

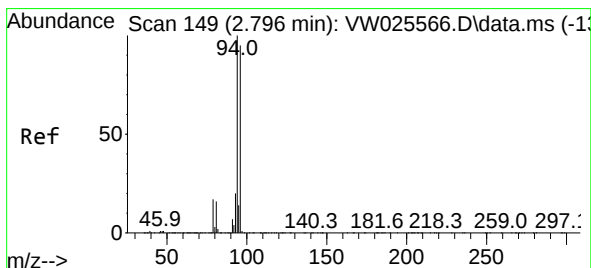
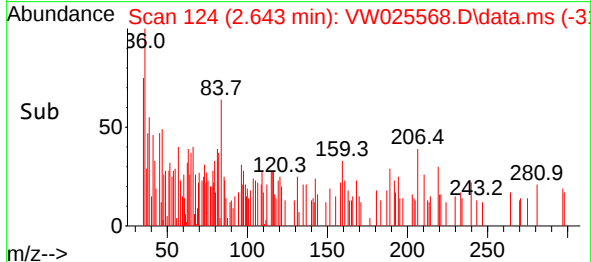
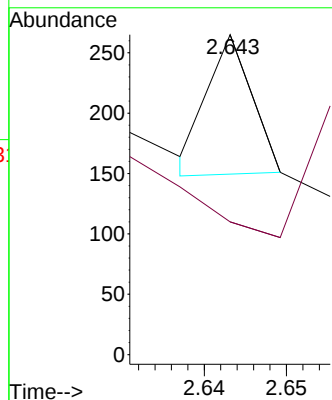
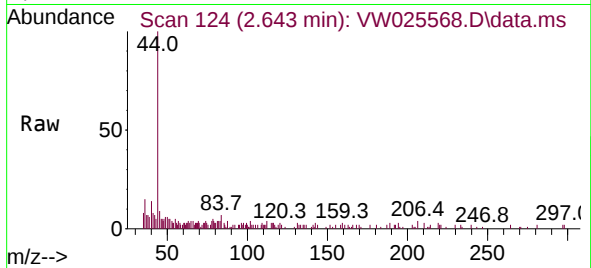




#5
 Vinyl chloride
 Concen: 0.003 ug/L
 RT: 2.643 min Scan# 11
 Delta R.T. 0.268 min
 Lab File: VW025568.D
 Acq: 10 Apr 2023 11:02

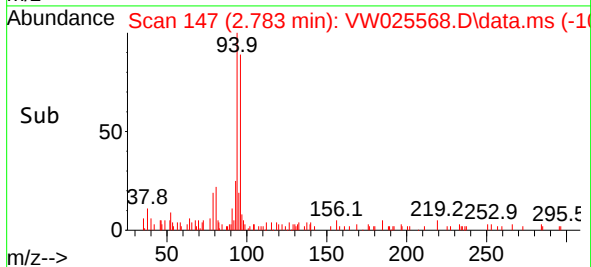
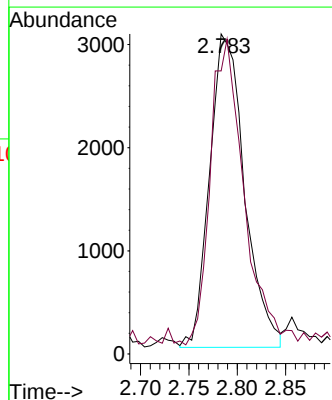
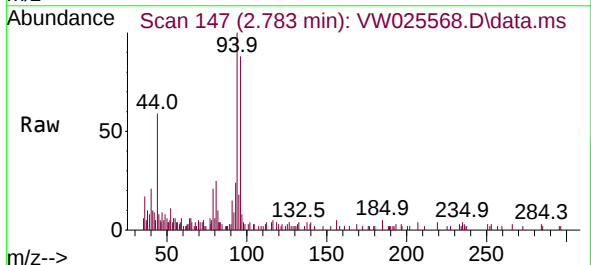
Instrument :
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 ClientSampleId :
 MDL-SOIL-QT2-2023-04DL

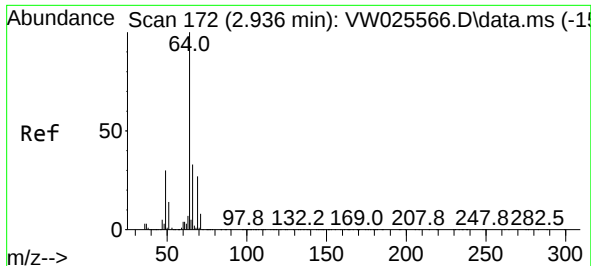
Tgt Ion: 62 Resp: 43
 Ion Ratio Lower Upper
 62 100
 64 41.5 23.9 44.3



#6
 Bromomethane
 Concen: 1.077 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.012 min
 Lab File: VW025568.D
 Acq: 10 Apr 2023 11:02

Tgt Ion: 94 Resp: 7622
 Ion Ratio Lower Upper
 94 100
 96 88.5 64.0 118.8

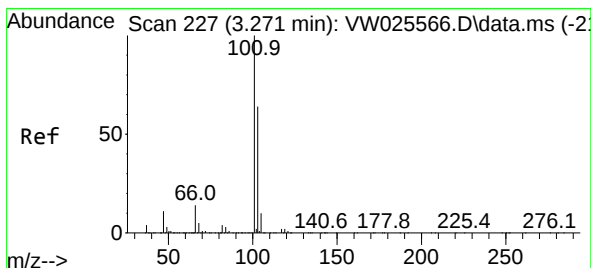
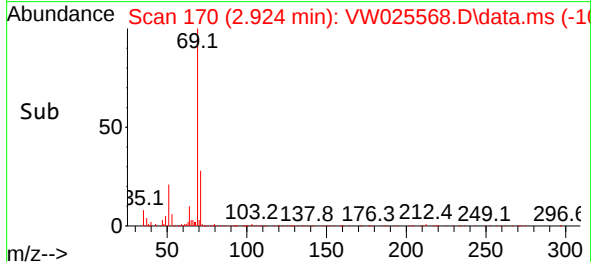
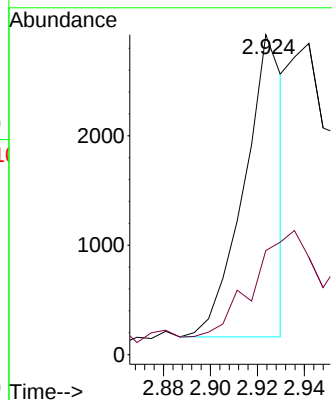
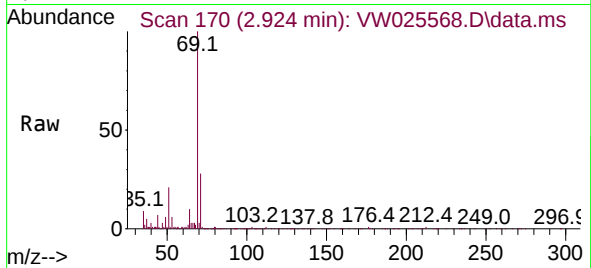




#8
Chloroethane
Concen: 0.433 ug/L
RT: 2.924 min Scan# 11
Delta R.T. -0.012 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

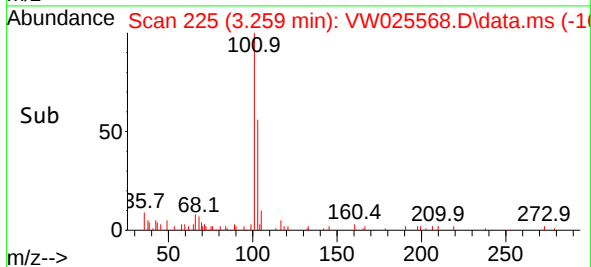
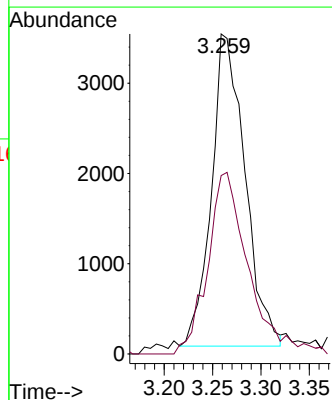
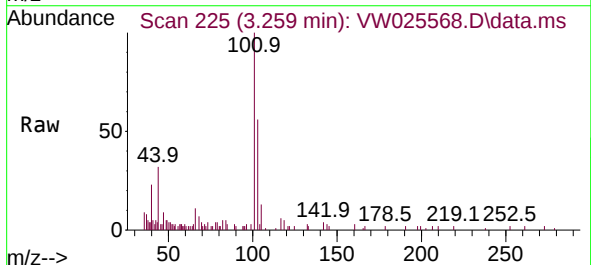
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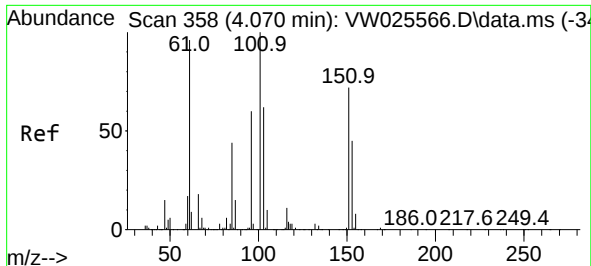
Tgt Ion: 64 Resp: 3189
Ion Ratio Lower Upper
64 100
66 32.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 0.823 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.012 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 101 Resp: 8341
Ion Ratio Lower Upper
101 100
103 67.1 52.3 78.5

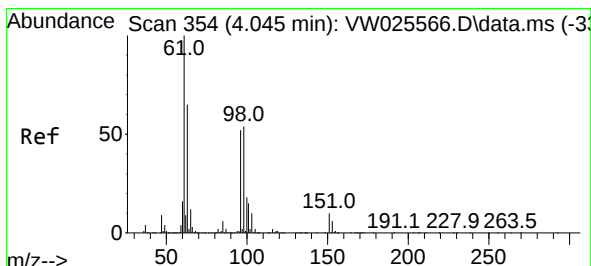
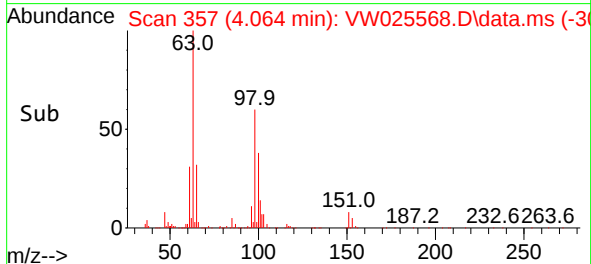
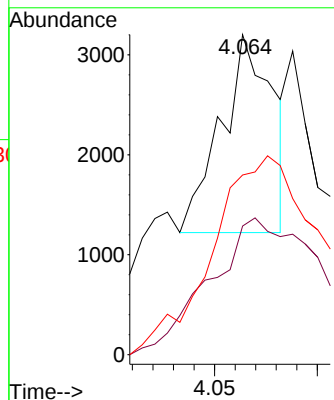
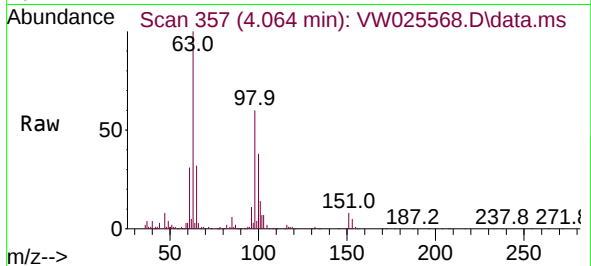




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.341 ug/L
RT: 4.064 min Scan# 310
Delta R.T. -0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

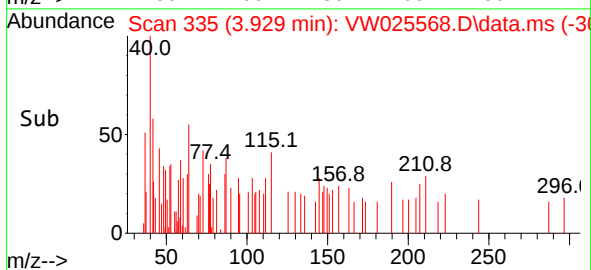
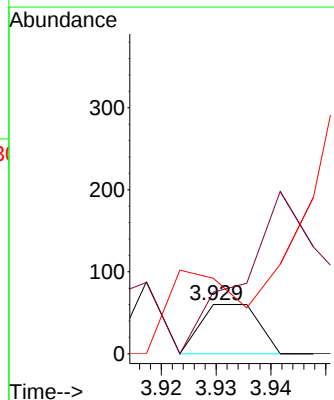
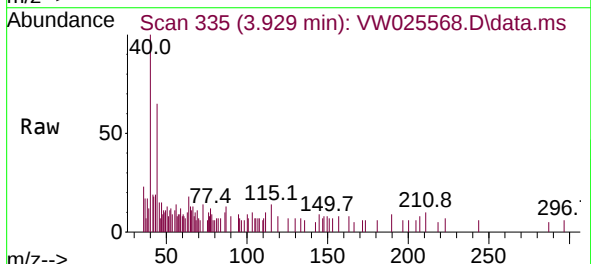
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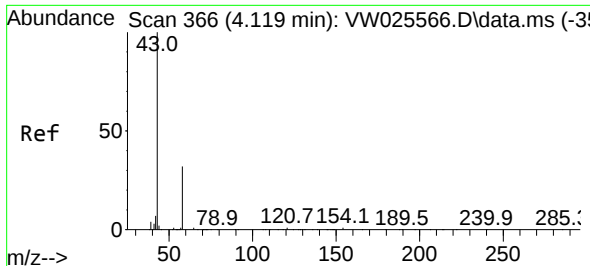
Tgt Ion:101 Resp: 3467
Ion Ratio Lower Upper
101 100
85 93.2 34.5 51.7#
151 217.6 54.8 82.2#



#12
1,1-Dichloroethene
Concen: 0.004 ug/L
RT: 3.929 min Scan# 335
Delta R.T. -0.116 min
Lab File: VW025568.D
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Tgt Ion: 96 Resp: 44
Ion Ratio Lower Upper
96 100
61 230.0 132.7 246.4
63 153.3 105.0 195.0

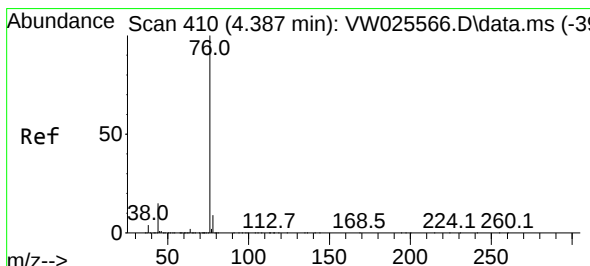
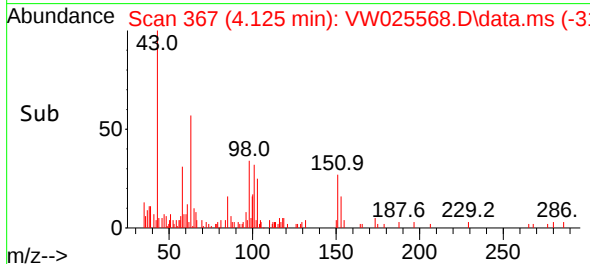
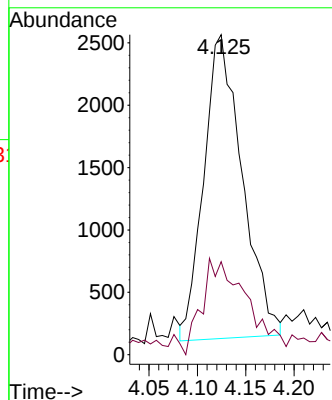
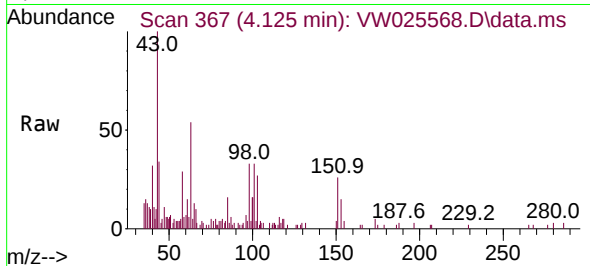




#13
Acetone
Concen: 2.982 ug/L
RT: 4.125 min Scan# 367
Delta R.T. 0.006 min
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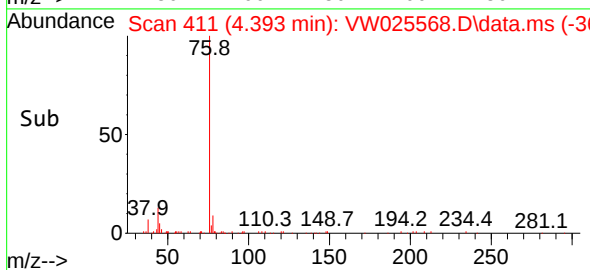
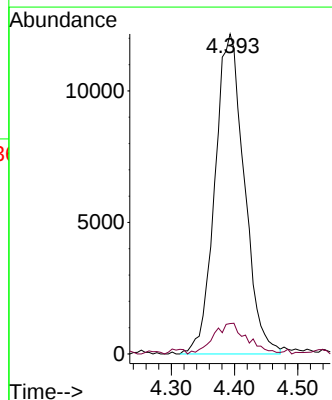
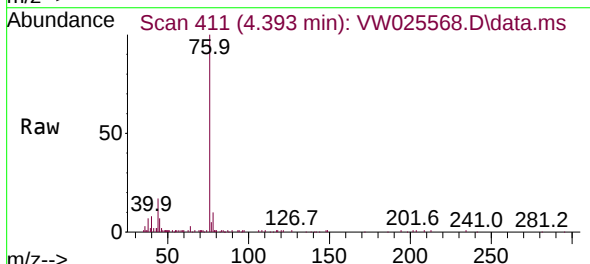
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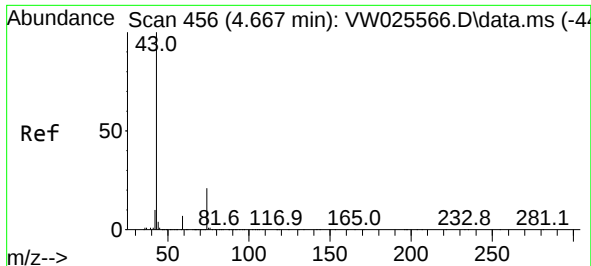
Tgt Ion: 43 Resp: 6719
Ion Ratio Lower Upper
43 100
58 9.1 0.0 57.4



#14
Carbon disulfide
Concen: 1.092 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 76 Resp: 39199
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

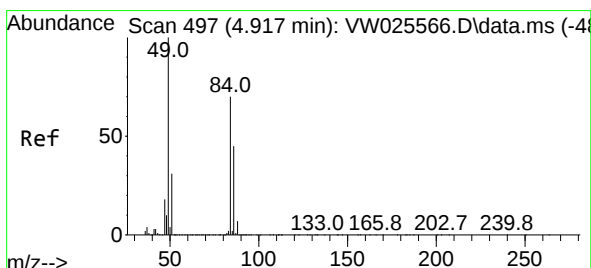
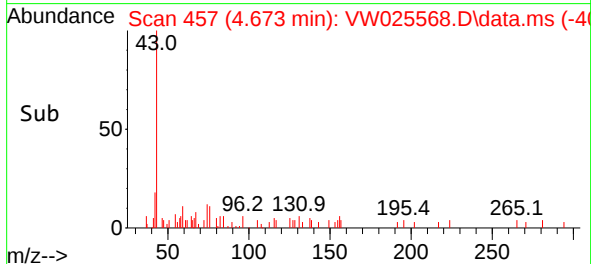
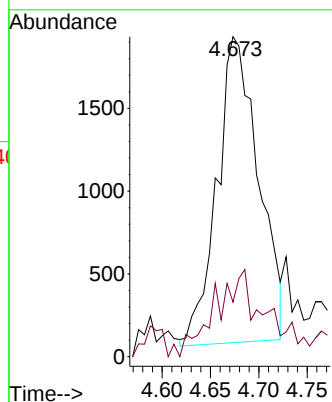
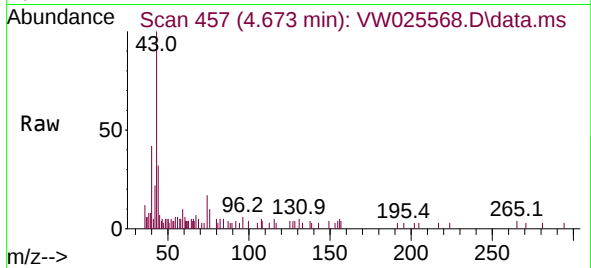




#15
Methyl Acetate
Concen: 1.089 ug/L
RT: 4.673 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

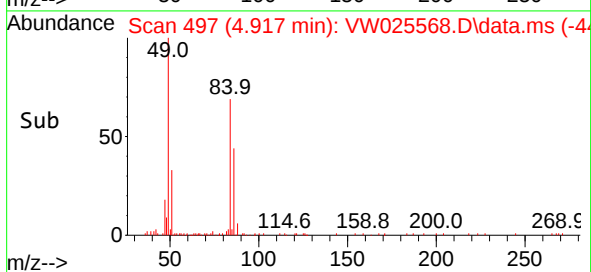
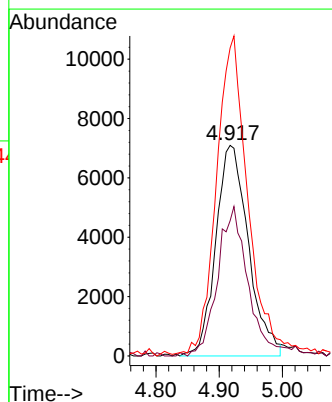
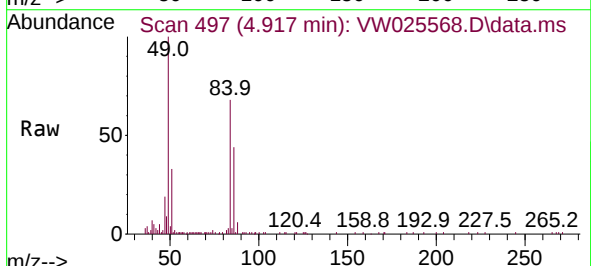
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

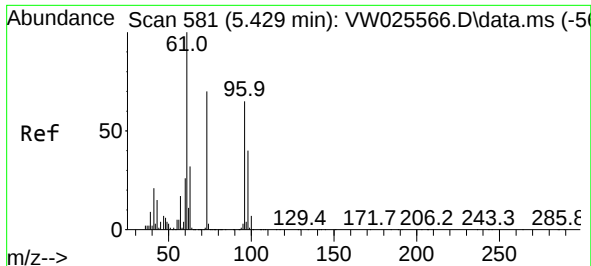
Tgt Ion: 43 Resp: 5514
Ion Ratio Lower Upper
43 100
74 5.1 17.0 25.4#



#16
Methylene chloride
Concen: 2.181 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 84 Resp: 25426
Ion Ratio Lower Upper
84 100
86 64.2 44.9 83.3
49 146.3 101.4 188.4

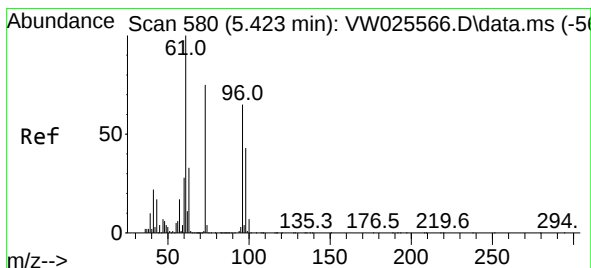
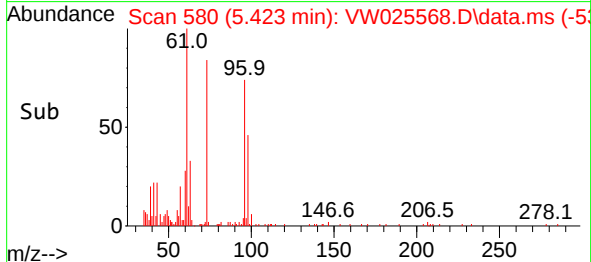
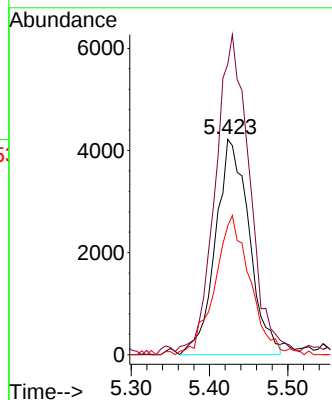
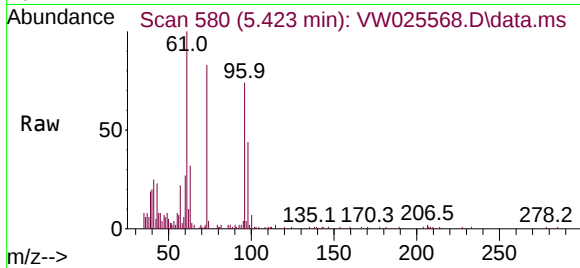




#17
trans-1,2-Dichloroethene
Concen: 1.163 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

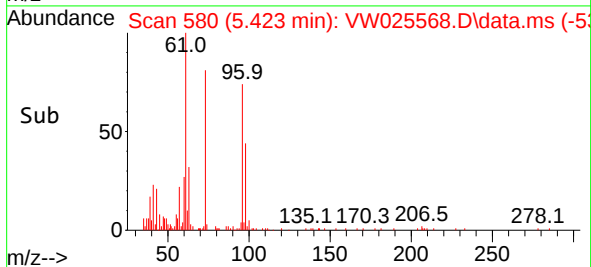
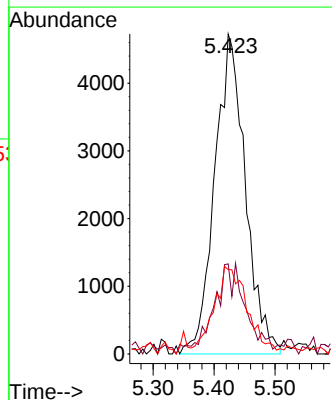
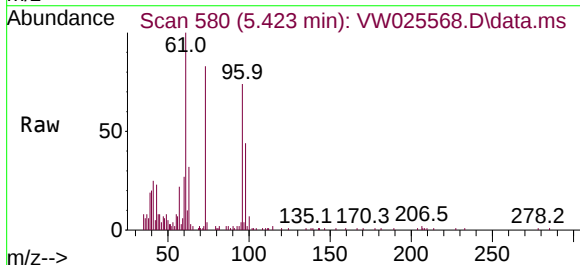
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT2-2023-04DL

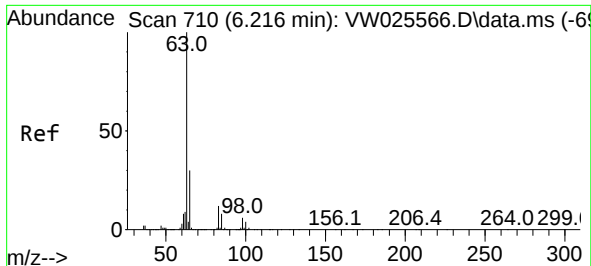
Tgt Ion:	96	Resp:	12582
Ion	Ratio	Lower	Upper
96	100		
61	134.8	113.3	210.3
98	59.8	43.6	81.0



#18
Methyl tert-butyl Ether
Concen: 1.104 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion:	73	Resp:	16482
Ion	Ratio	Lower	Upper
73	100		
43	3.0	17.8	26.6#
57	16.8	19.0	28.6#





#19

1,1-Dichloroethane

Concen: 1.190 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-04DL

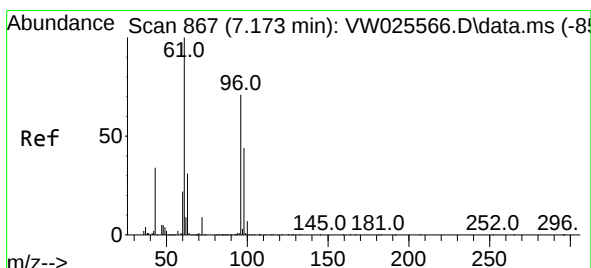
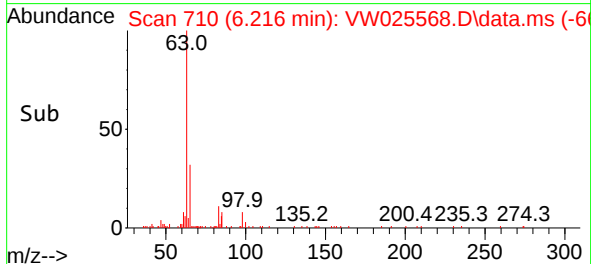
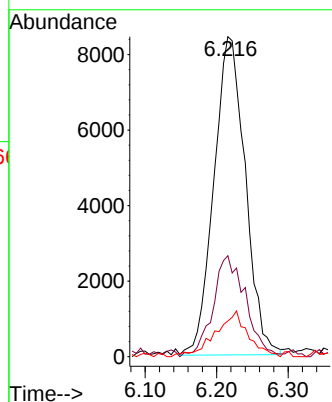
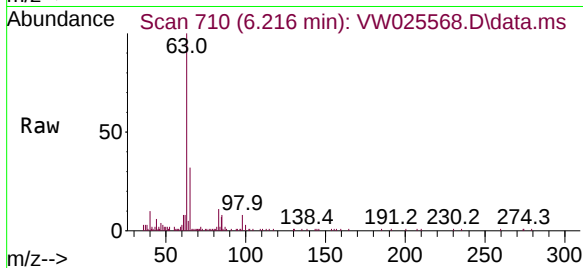
Tgt Ion: 63 Resp: 25736

Ion Ratio Lower Upper

63 100

65 31.6 21.9 40.7

83 11.2 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 1.207 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

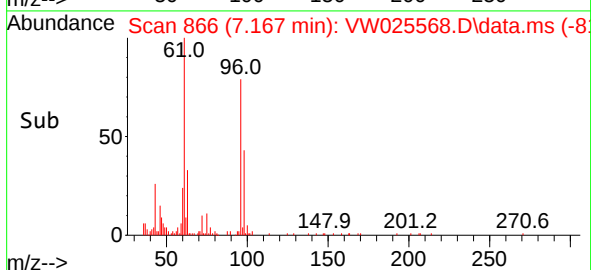
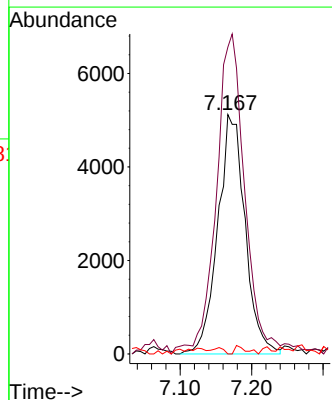
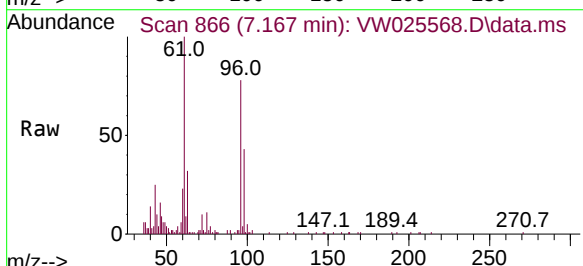
Tgt Ion: 96 Resp: 13588

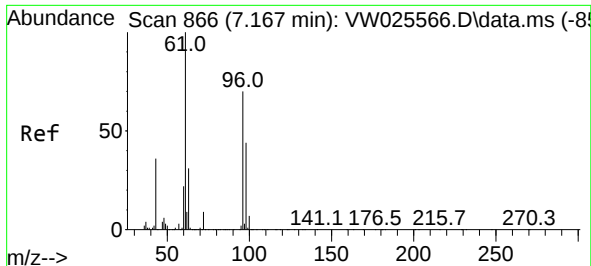
Ion Ratio Lower Upper

96 100

61 128.2 102.6 190.6

68 0.0 0.1 0.1#

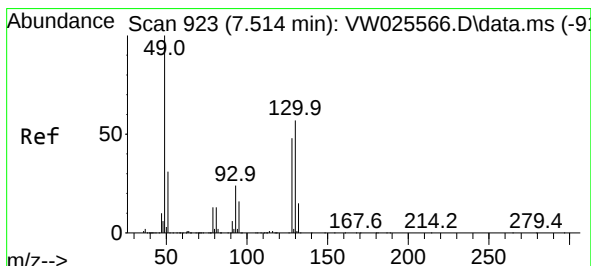
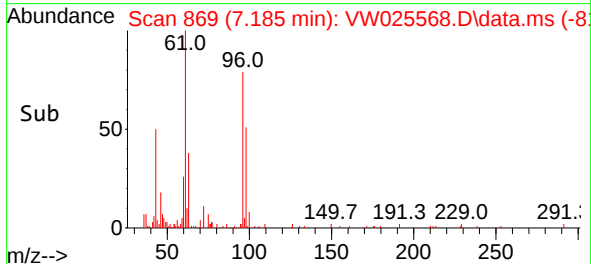
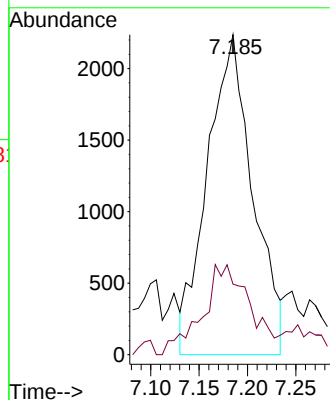
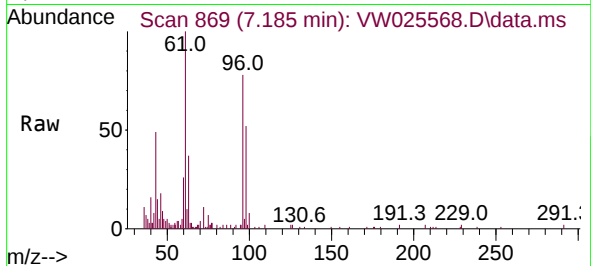




#22
2-Butanone
Concen: 2.290 ug/L
RT: 7.185 min Scan# 869
Delta R.T. 0.018 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

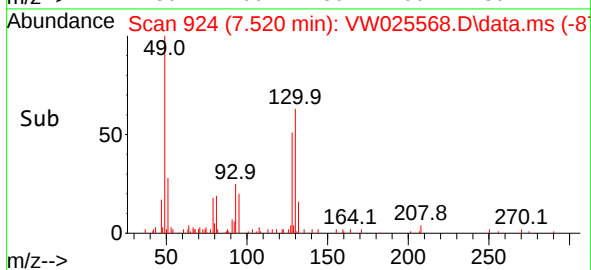
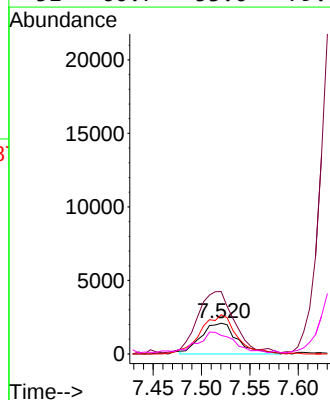
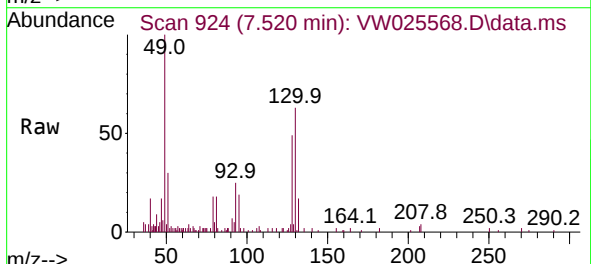
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

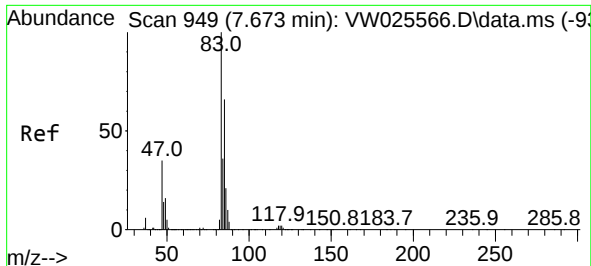
Tgt Ion: 43 Resp: 7336
Ion Ratio Lower Upper
43 100
72 21.3 12.0 36.0



#23
Bromochloromethane
Concen: 1.171 ug/L
RT: 7.520 min Scan# 924
Delta R.T. 0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 128 Resp: 5409
Ion Ratio Lower Upper
128 100
49 203.2 141.7 263.3
130 127.8 86.7 160.9
51 60.7 53.0 79.6

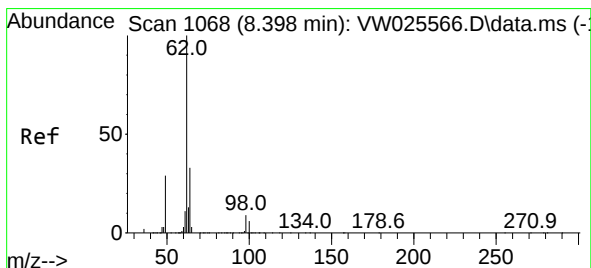
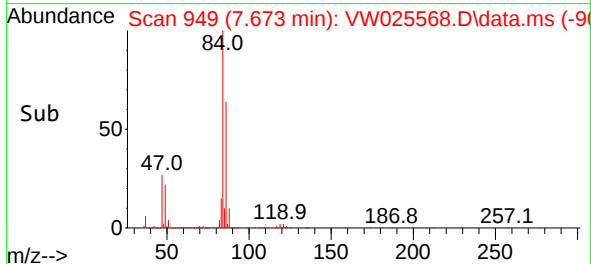
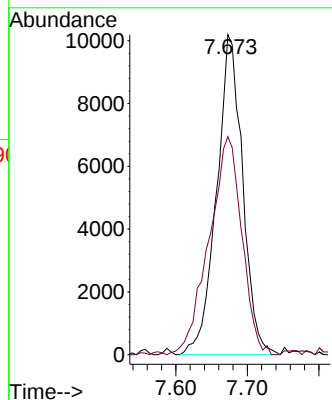
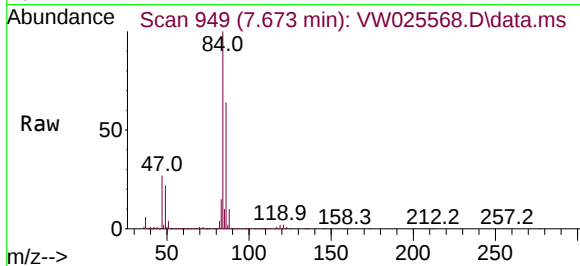




#25
Chloroform
Concen: 1.299 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

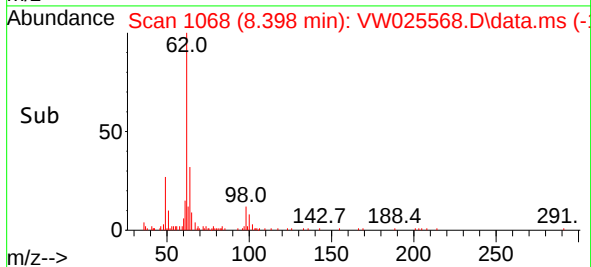
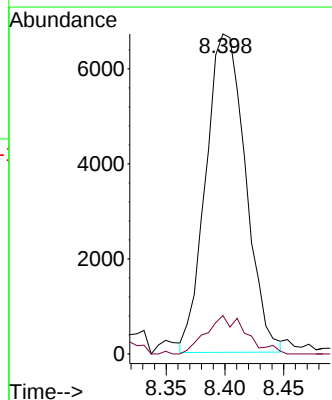
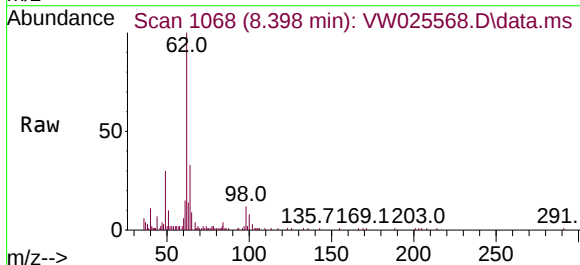
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

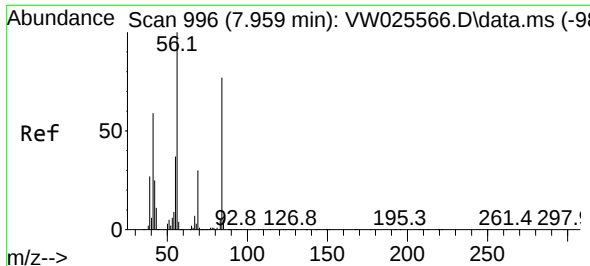
Tgt Ion: 83 Resp: 25676
Ion Ratio Lower Upper
83 100
85 68.1 45.8 85.2



#27
1,2-Dichloroethane
Concen: 1.186 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 62 Resp: 15735
Ion Ratio Lower Upper
62 100
98 12.0 6.6 10.0#

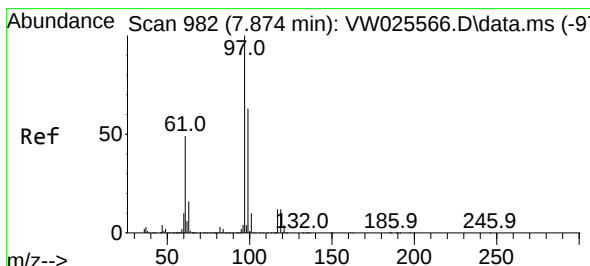
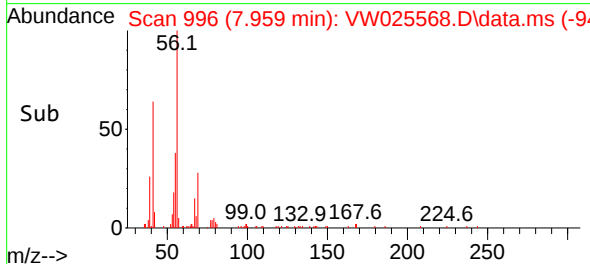
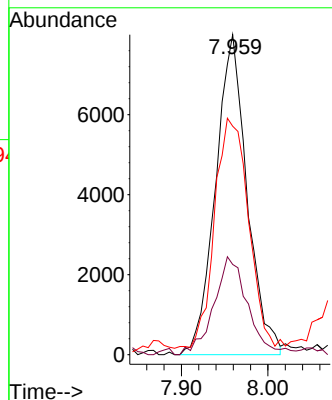
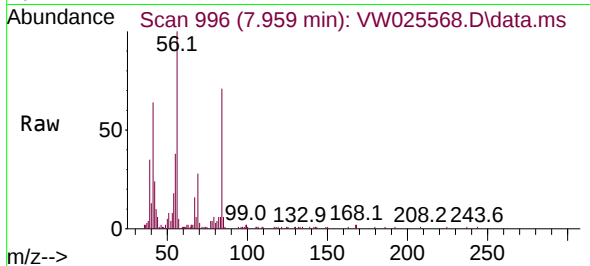




#29
Cyclohexane
Concen: 0.955 ug/L
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

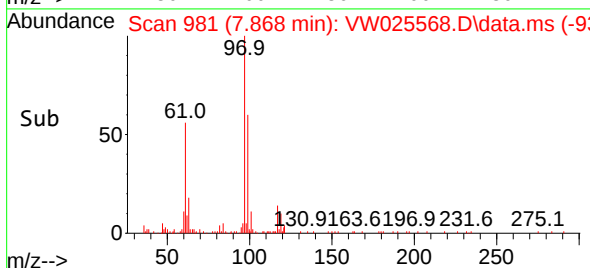
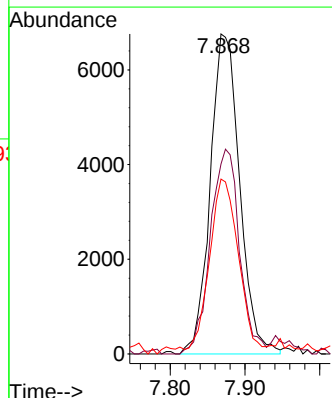
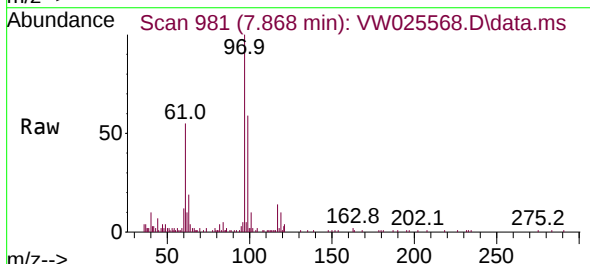
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

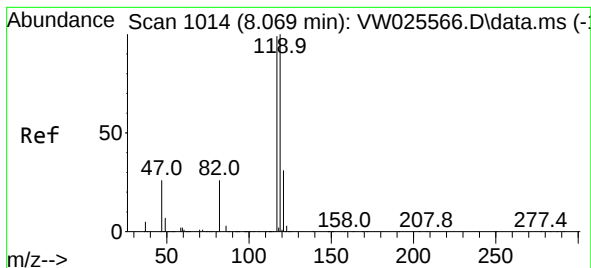
Tgt Ion:	56	Resp:	20216
Ion	Ratio	Lower	Upper
56	100		
69	32.2	22.7	34.1
84	79.3	62.5	93.7



#30
1,1,1-Trichloroethane
Concen: 1.136 ug/L
RT: 7.868 min Scan# 981
Delta R.T. -0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion:	97	Resp:	18460
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.6
61	52.7	40.5	60.7





#31

Carbon tetrachloride

Concen: 1.130 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

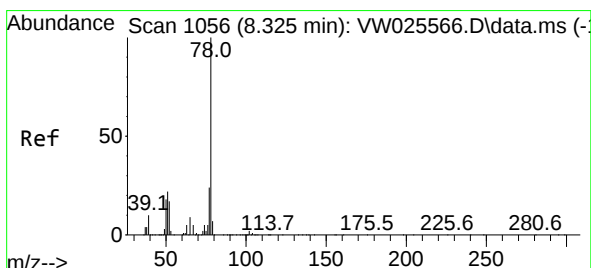
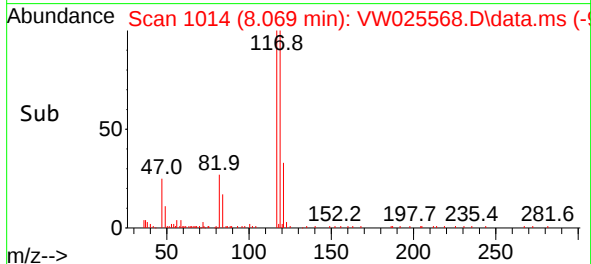
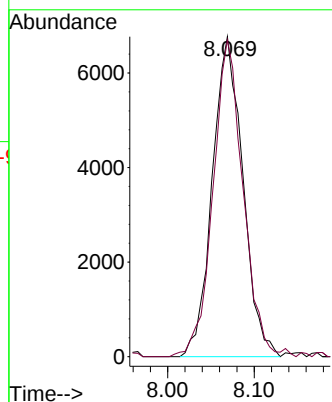
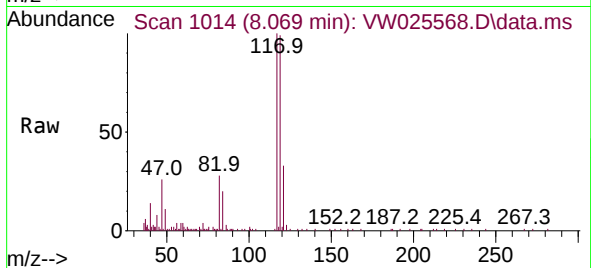
MDL-SOIL-QT2-2023-04DL

Tgt Ion:117 Resp: 16587

Ion Ratio Lower Upper

117 100

119 96.9 75.7 113.5



#33

Benzene

Concen: 1.154 ug/L

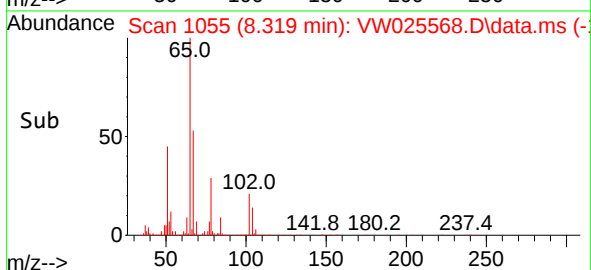
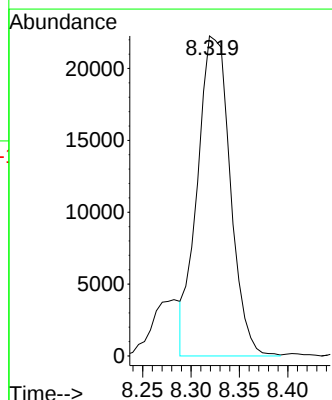
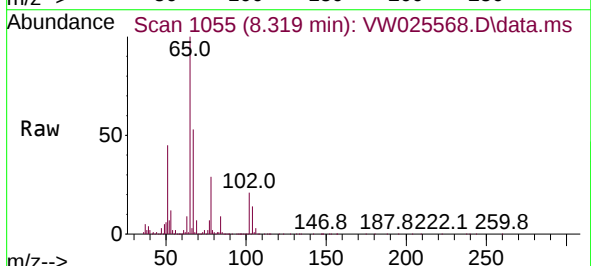
RT: 8.319 min Scan# 1055

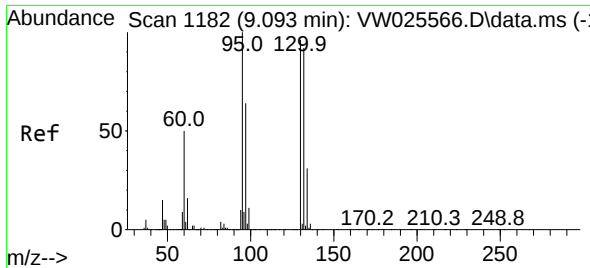
Delta R.T. -0.006 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Tgt Ion: 78 Resp: 52564





#34

Trichloroethene

Concen: 1.108 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-04DL

Tgt Ion: 95 Resp: 13129

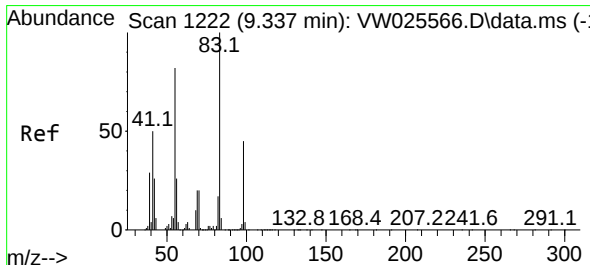
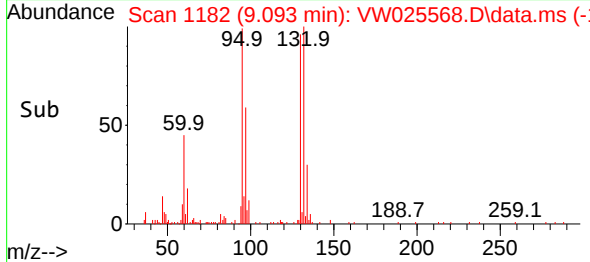
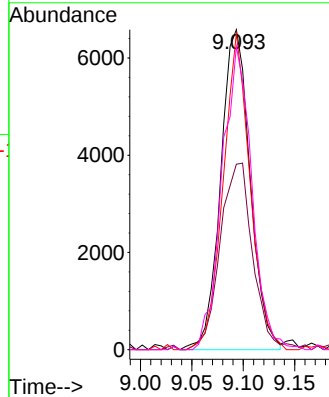
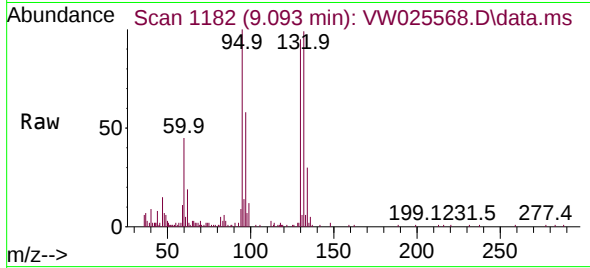
Ion Ratio Lower Upper

95 100

97 57.9 42.5 78.9

132 98.9 59.8 111.1

130 94.8 65.7 122.1



#35

Methylcyclohexane

Concen: 0.960 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

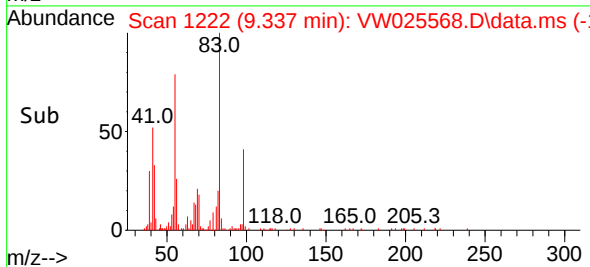
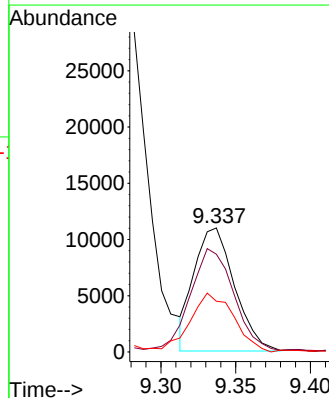
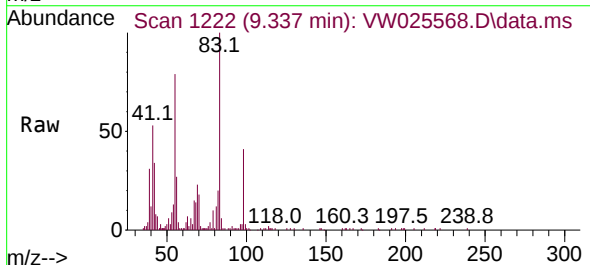
Tgt Ion: 83 Resp: 20523

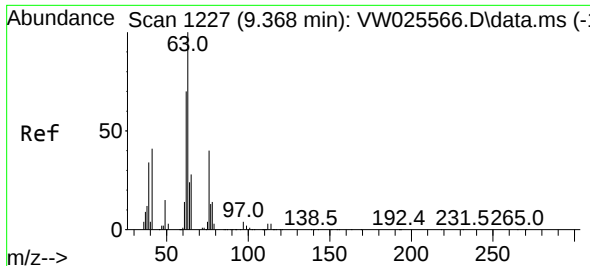
Ion Ratio Lower Upper

83 100

55 88.1 68.7 103.1

98 51.2 37.7 56.5





#37

1,2-Dichloropropane

Concen: 1.208 ug/L

RT: 9.368 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

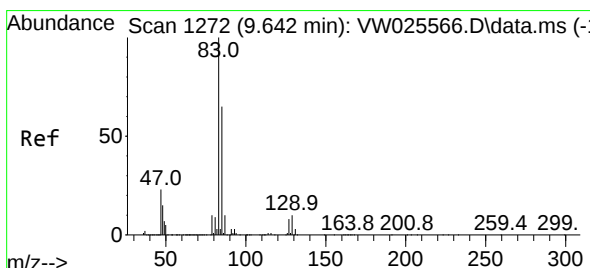
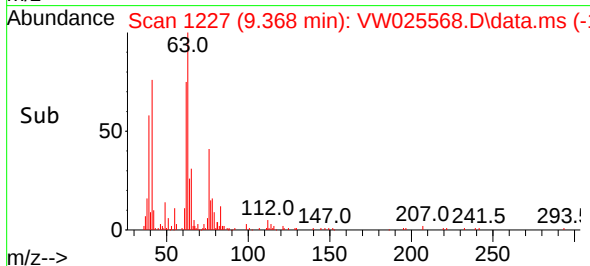
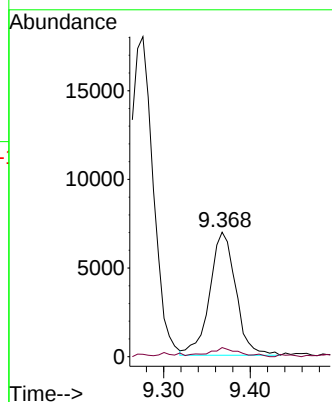
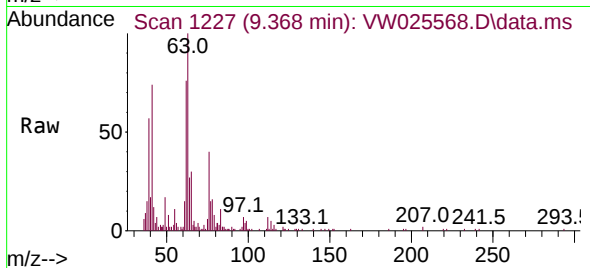
MDL-SOIL-QT2-2023-04DL

Tgt Ion: 63 Resp: 14527

Ion Ratio Lower Upper

63 100

112 5.5 3.4 5.0#



#38

Bromodichloromethane

Concen: 1.169 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

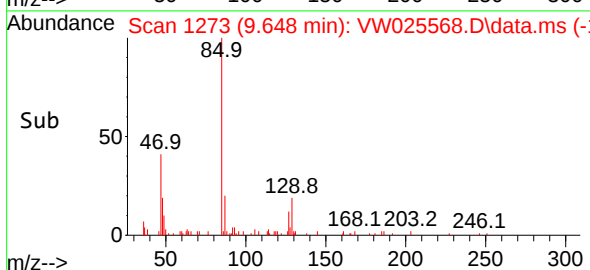
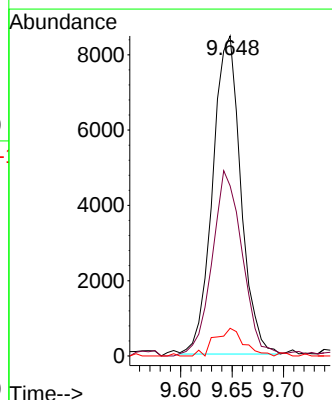
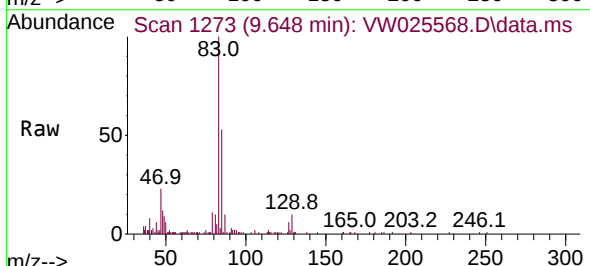
Tgt Ion: 83 Resp: 16083

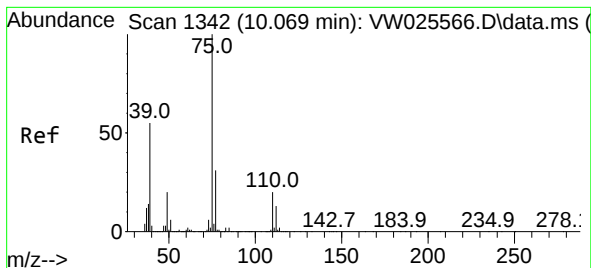
Ion Ratio Lower Upper

83 100

85 53.1 43.5 80.7

127 8.7 5.8 8.8





#39

cis-1,3-Dichloropropene

Concen: 1.084 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

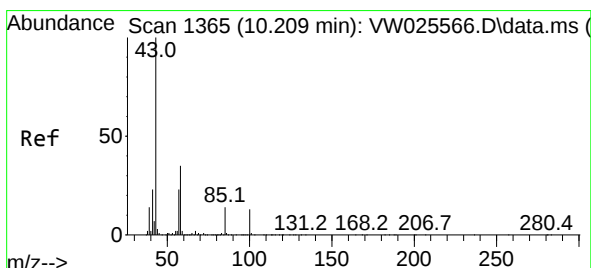
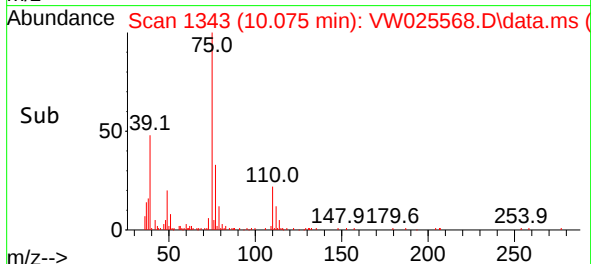
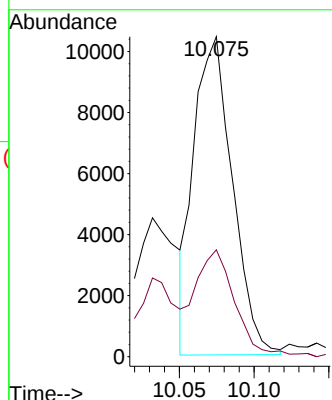
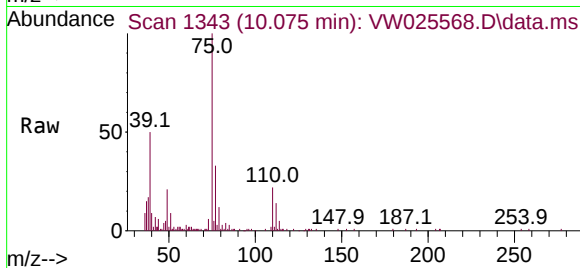
MDL-SOIL-QT2-2023-04DL

Tgt Ion: 75 Resp: 18700

Ion Ratio Lower Upper

75 100

77 33.4 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 2.209 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

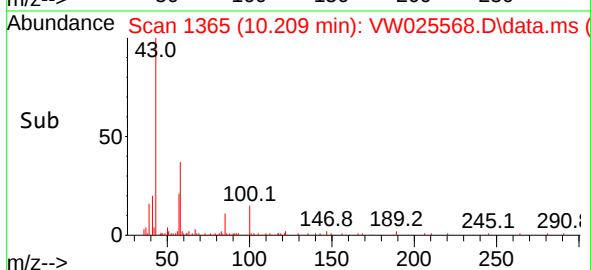
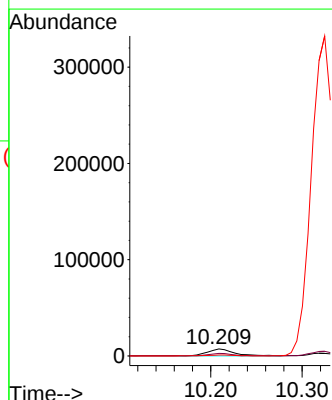
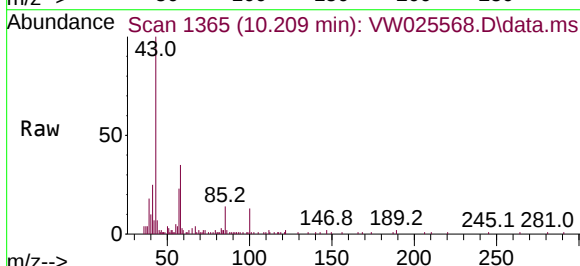
Tgt Ion: 43 Resp: 15036

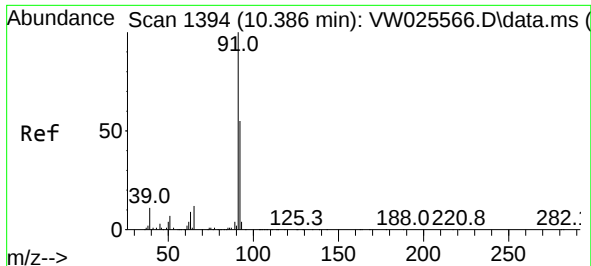
Ion Ratio Lower Upper

43 100

58 29.2 29.2 43.8

100 13.5 10.2 15.4

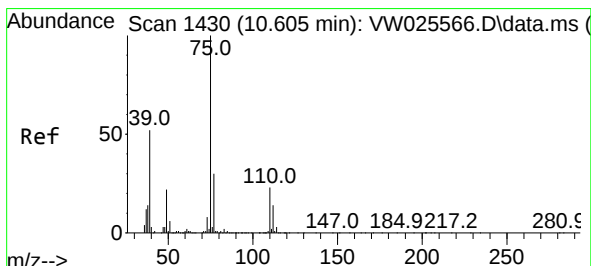
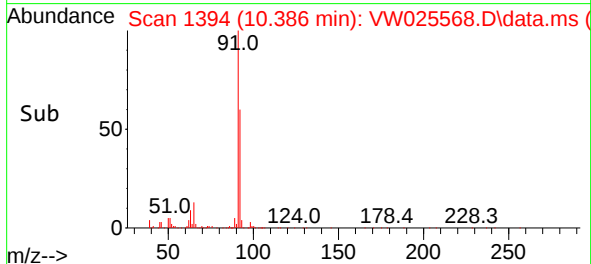
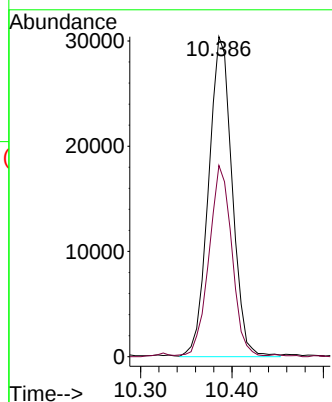
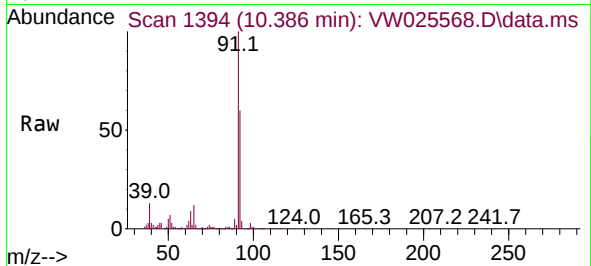




#42
Toluene
Concen: 1.174 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

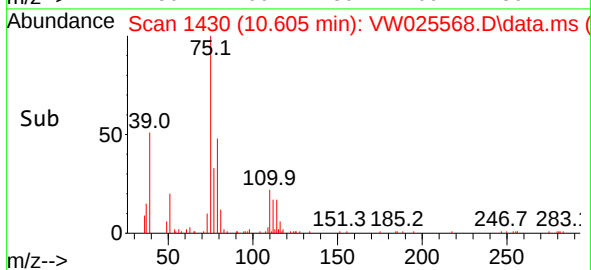
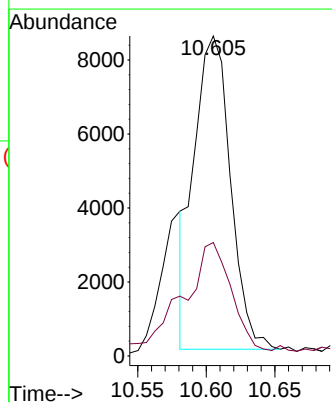
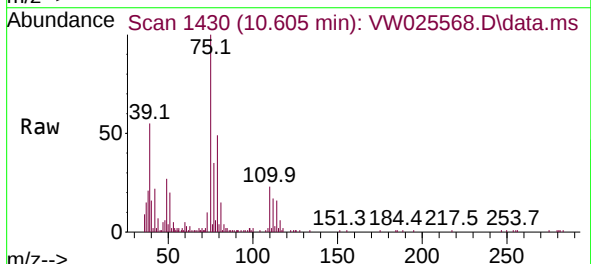
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

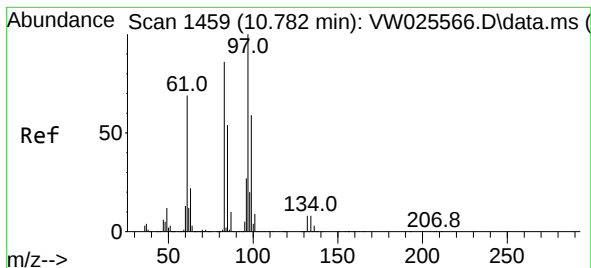
Tgt Ion: 91 Resp: 54446
Ion Ratio Lower Upper
91 100
92 59.8 41.1 76.3



#44
trans-1,3-Dichloropropene
Concen: 1.095 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 75 Resp: 15578
Ion Ratio Lower Upper
75 100
77 35.5 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 1.209 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-04DL

Tgt Ion: 97 Resp: 9269

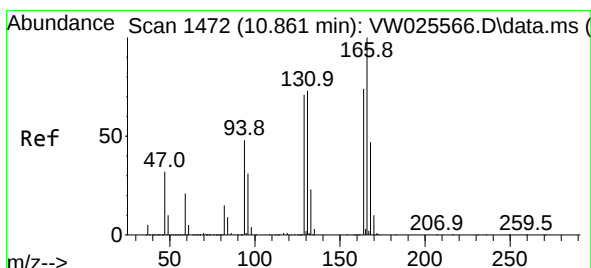
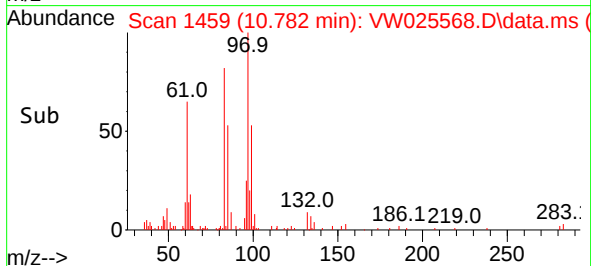
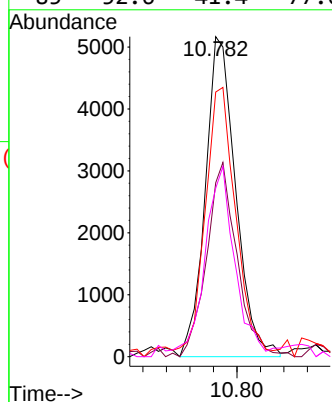
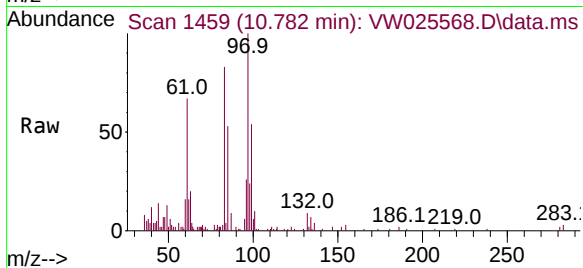
Ion Ratio Lower Upper

97 100

99 54.4 43.8 81.3

83 82.7 61.8 114.8

85 52.6 41.4 77.0



#46

Tetrachloroethene

Concen: 1.161 ug/L

RT: 10.867 min Scan# 1473

Delta R.T. 0.006 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Tgt Ion:164 Resp: 9674

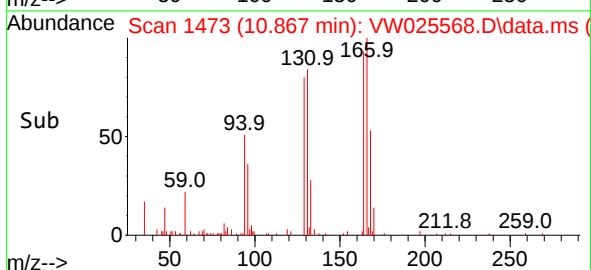
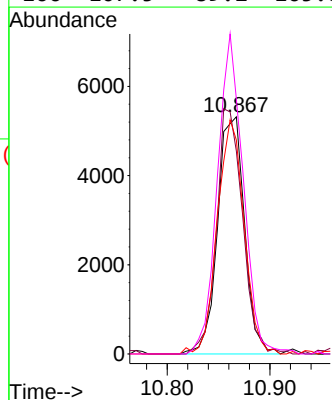
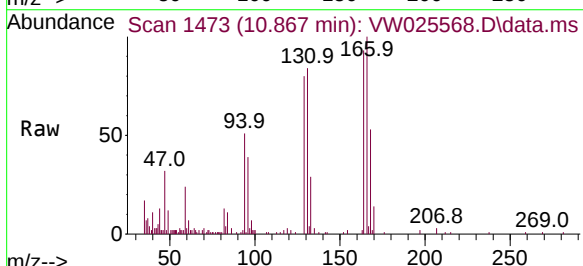
Ion Ratio Lower Upper

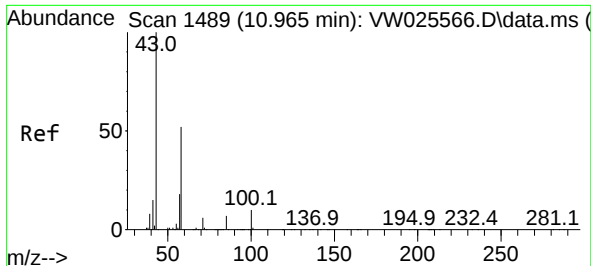
164 100

129 85.6 76.9 142.9

131 90.2 70.5 130.9

166 107.5 89.2 165.8

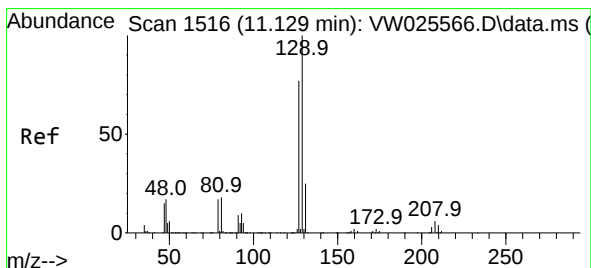
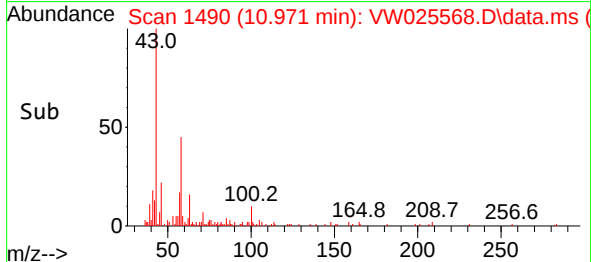
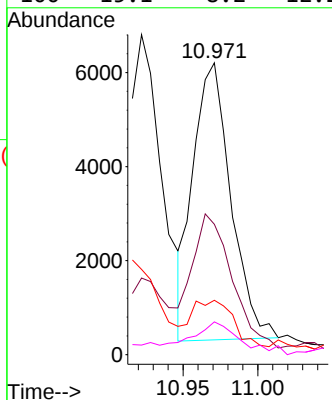
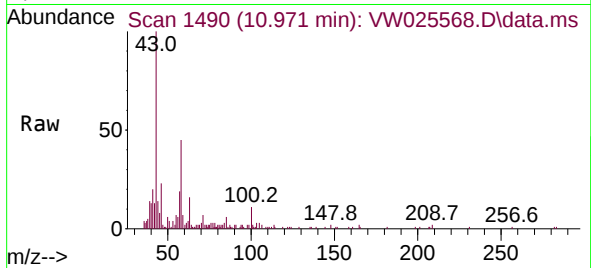




#48
2-Hexanone
Concen: 2.201 ug/L
RT: 10.971 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

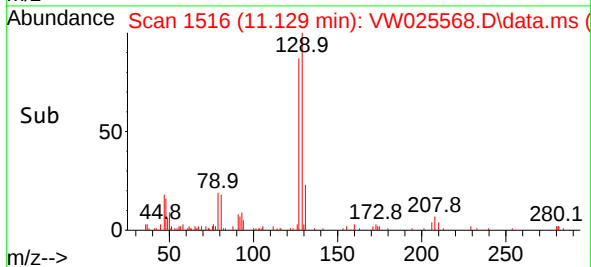
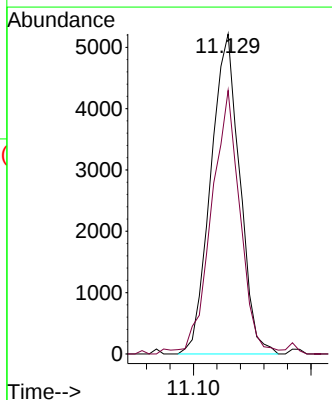
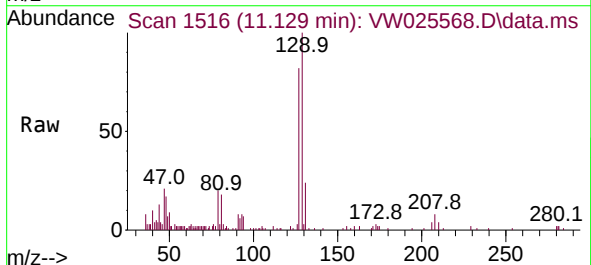
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

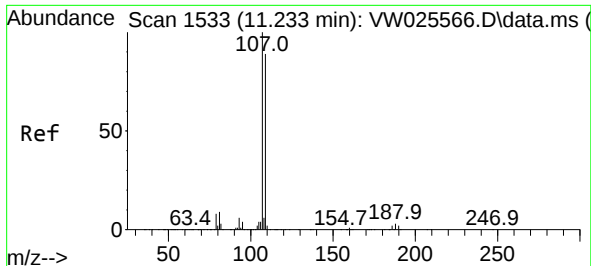
Tgt Ion: 43	Resp: 10350
Ion Ratio	Lower Upper
43 100	
58 53.1	38.6 57.8
57 3.6	13.9 20.9#
100 15.1	8.2 12.2#



#49
Dibromochloromethane
Concen: 1.110 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 129	Resp: 8962
Ion Ratio	Lower Upper
129 100	
127 82.4	54.0 100.2

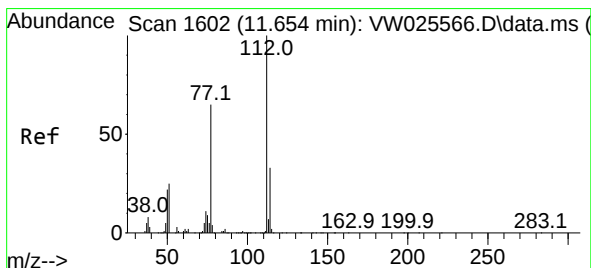
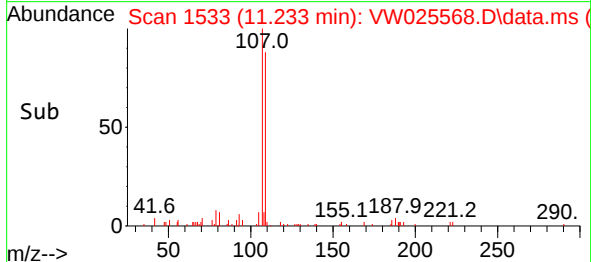
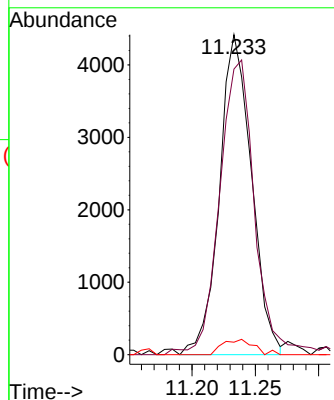
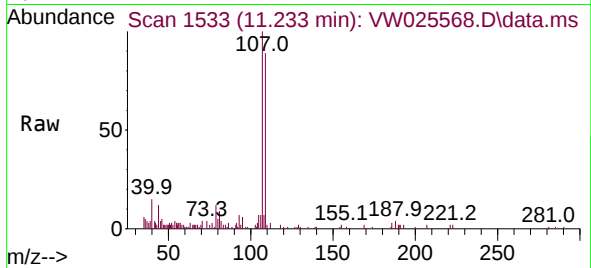




#50
1,2-Dibromoethane
Concen: 1.105 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

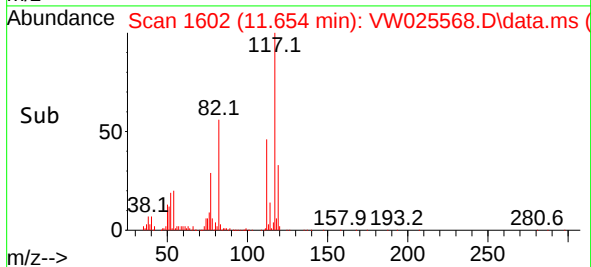
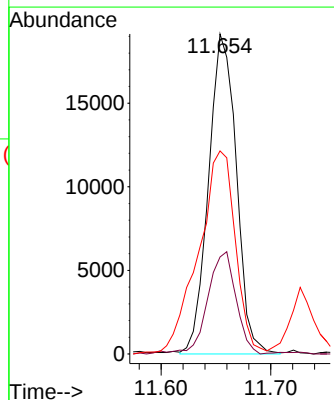
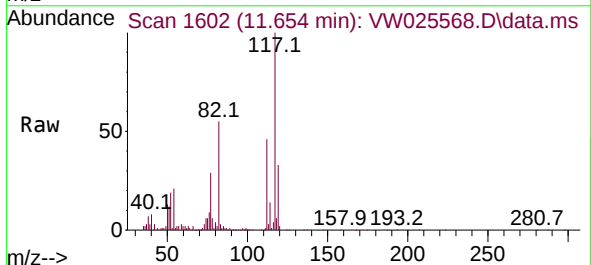
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT2-2023-04DL

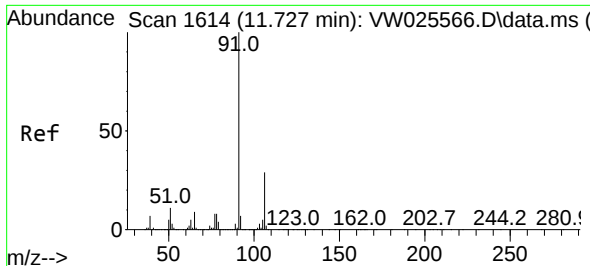
Tgt Ion:107 Resp: 7784
Ion Ratio Lower Upper
107 100
109 89.2 64.1 119.1
188 3.9 2.8 4.2



#51
Chlorobenzene
Concen: 1.183 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion:112 Resp: 33799
Ion Ratio Lower Upper
112 100
114 30.3 21.6 40.2
77 63.5 50.2 75.2

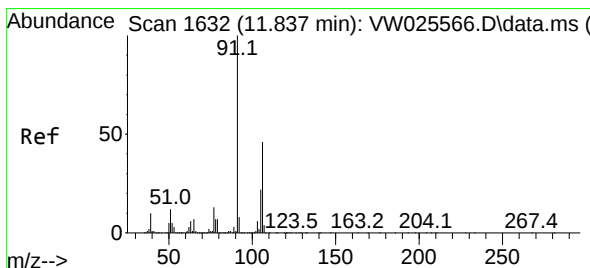
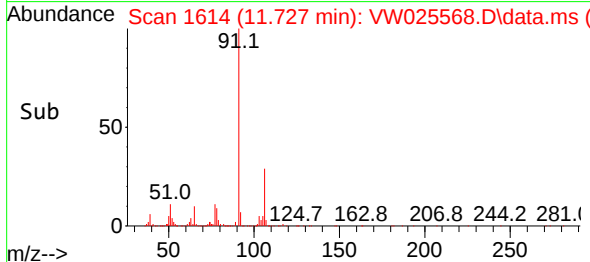
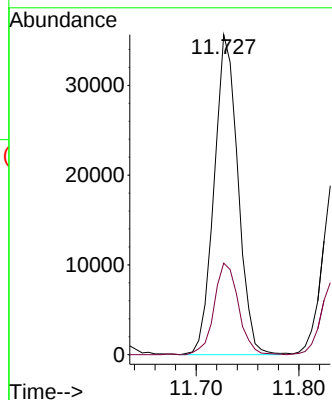
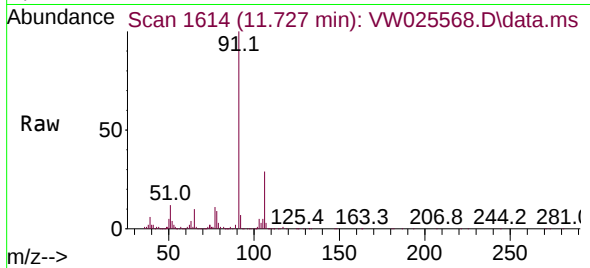




#52
Ethylbenzene
Concen: 1.092 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

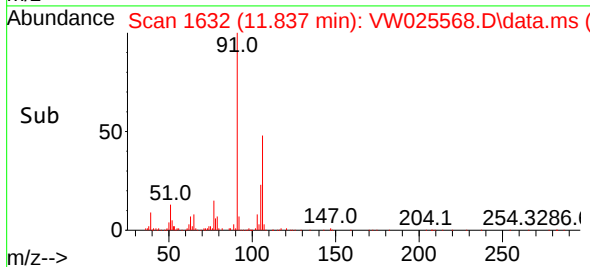
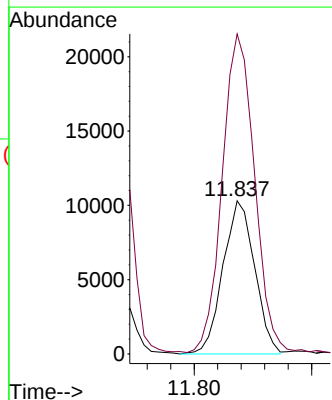
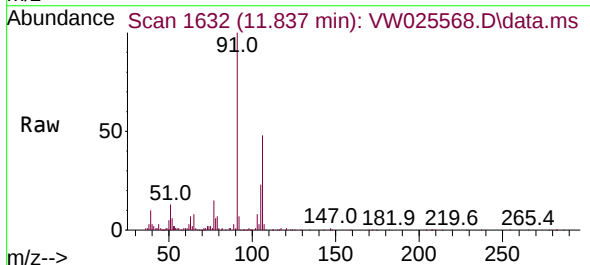
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

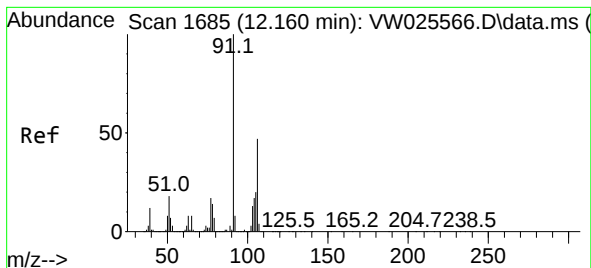
Tgt Ion: 91 Resp: 57299
Ion Ratio Lower Upper
91 100
106 28.6 20.3 37.7



#53
m,p-Xylene
Concen: 1.003 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion:106 Resp: 19302
Ion Ratio Lower Upper
106 100
91 208.9 148.0 274.8





#54

o-Xylene

Concen: 1.008 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

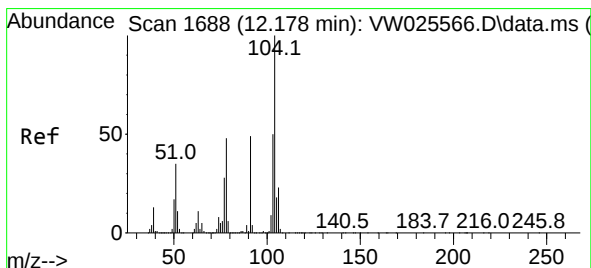
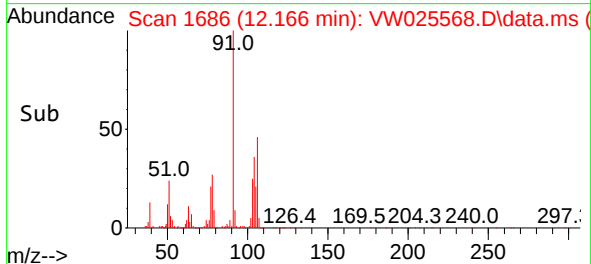
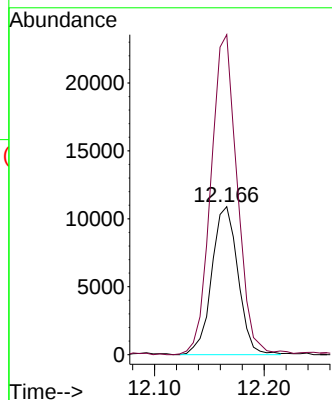
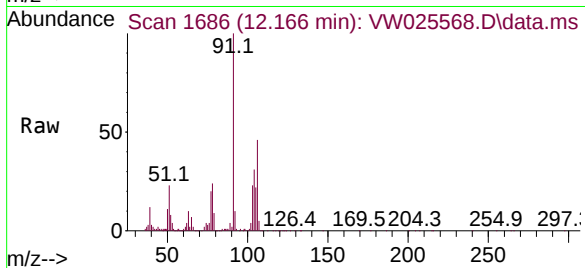
MDL-SOIL-QT2-2023-04DL

Tgt Ion:106 Resp: 18138

Ion Ratio Lower Upper

106 100

91 216.2 158.2 293.8



#55

Styrene

Concen: 0.934 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW025568.D

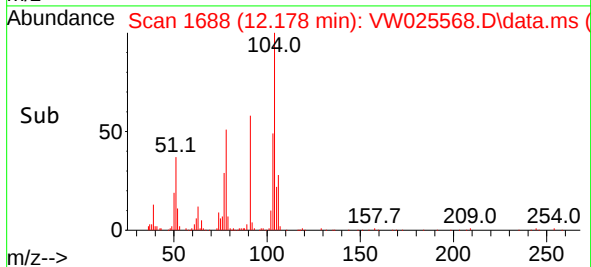
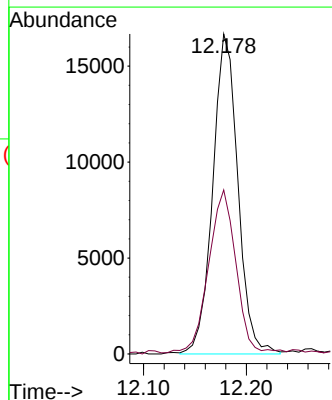
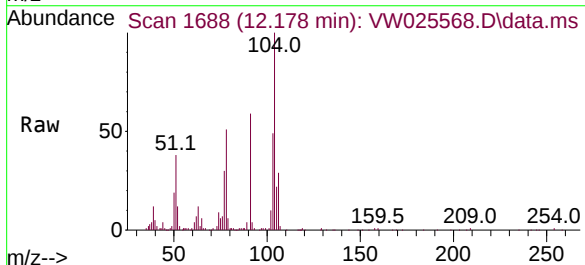
Acq: 10 Apr 2023 11:02

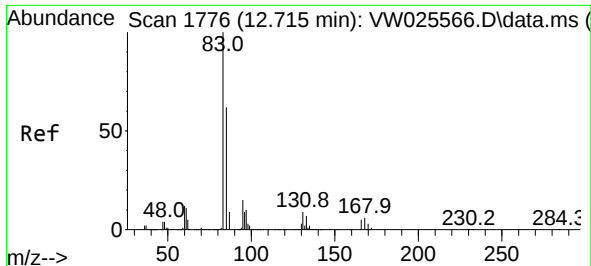
Tgt Ion:104 Resp: 28303

Ion Ratio Lower Upper

104 100

78 51.3 33.3 61.9





#57

1,1,2-Tetrachloroethane

Concen: 1.233 ug/L

RT: 12.714 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

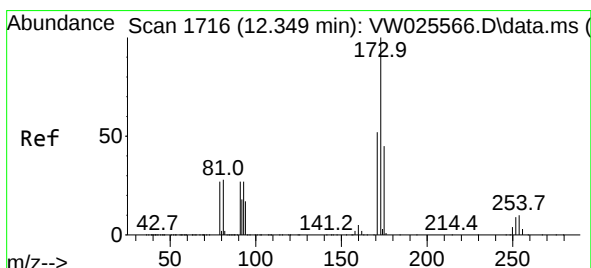
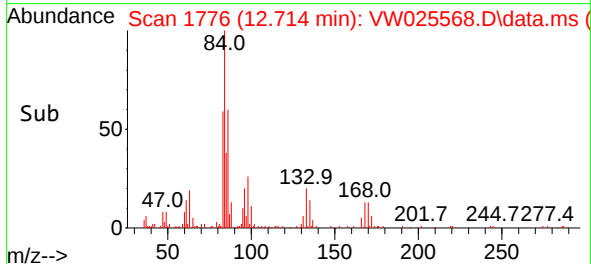
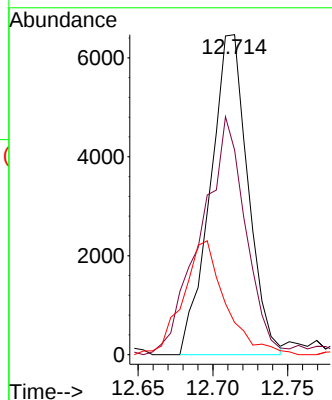
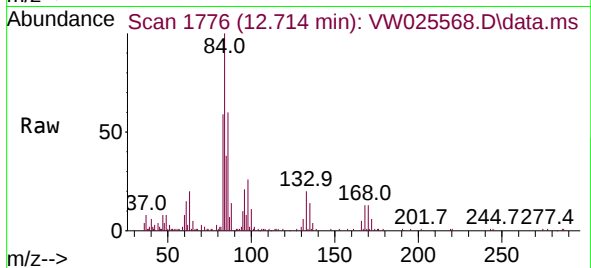
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-04DL

Tgt Ion: 83	Resp: 11328
Ion Ratio	Lower Upper
83 100	
85 64.0	43.5 80.7
131 10.0	7.0 10.4



#59

Bromoform

Concen: 1.236 ug/L

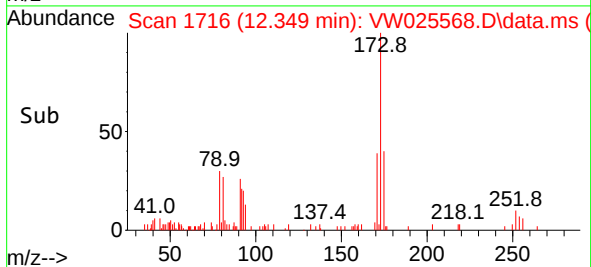
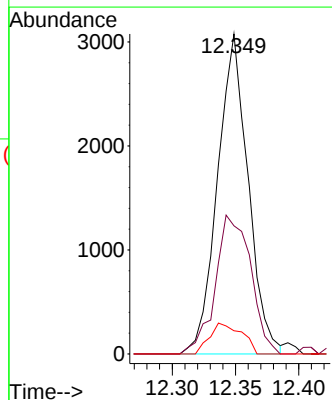
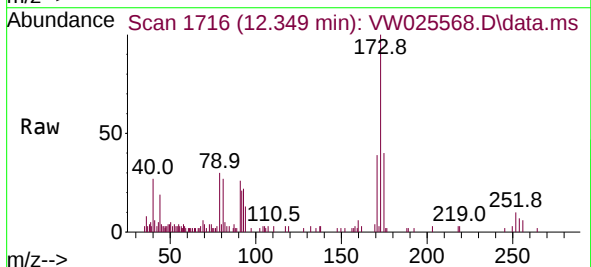
RT: 12.349 min Scan# 1716

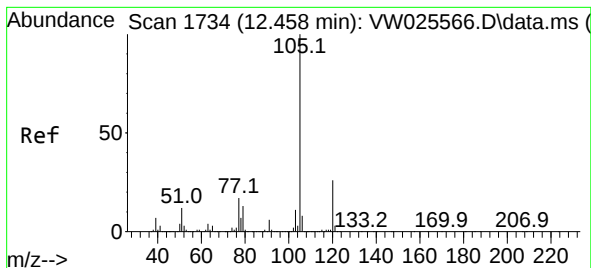
Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Tgt Ion: 173	Resp: 5179
Ion Ratio	Lower Upper
173 100	
175 50.1	36.1 54.1
254 10.1	7.0 10.6





#60

Isopropylbenzene

Concen: 1.017 ug/L

RT: 12.465 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

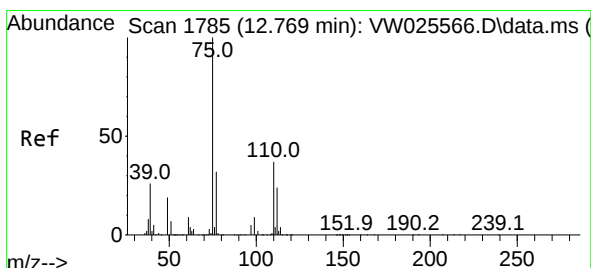
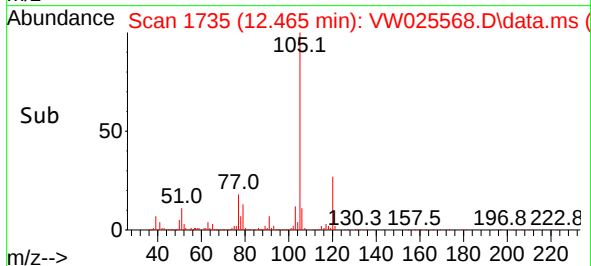
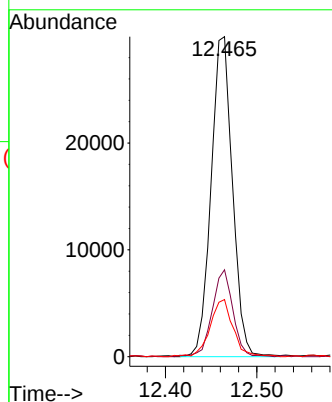
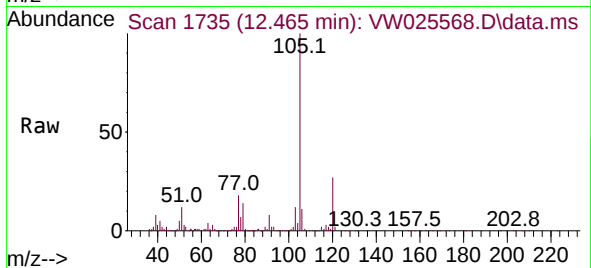
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-04DL

Tgt Ion:	105	Resp:	48716
Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.1	30.1
77	18.1	13.2	19.8



#61

1,2,3-Trichloropropane

Concen: 1.202 ug/L

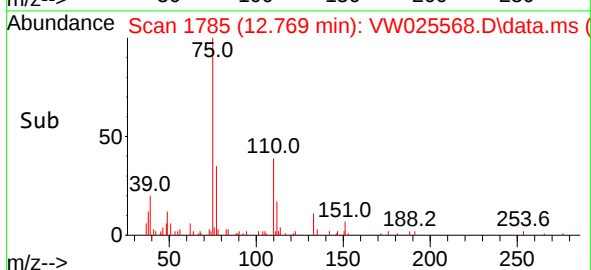
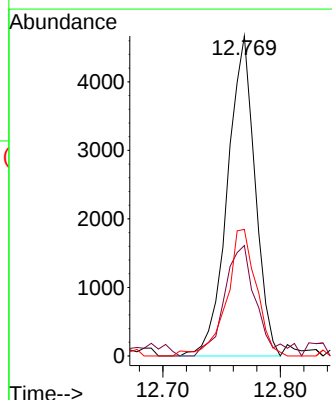
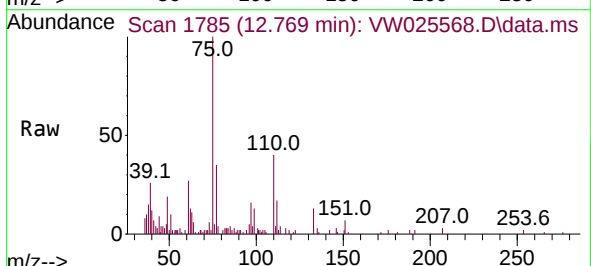
RT: 12.769 min Scan# 1785

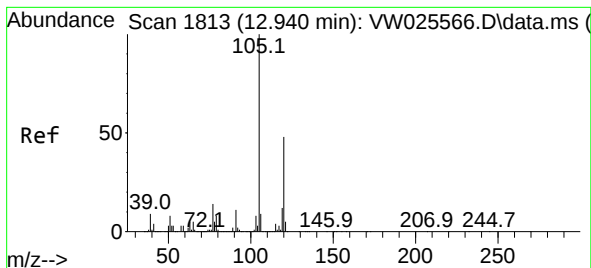
Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Tgt Ion:	75	Resp:	7617
Ion	Ratio	Lower	Upper
75	100		
77	38.0	25.4	38.2
110	41.7	29.0	43.6





#62

1,3,5-Trimethylbenzene

Concen: 0.944 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

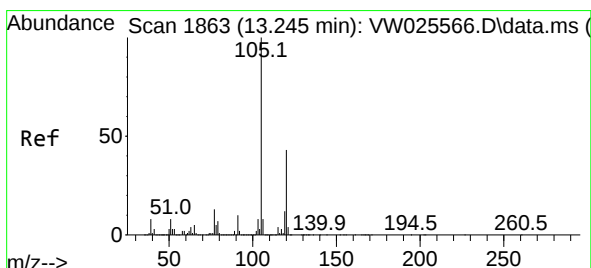
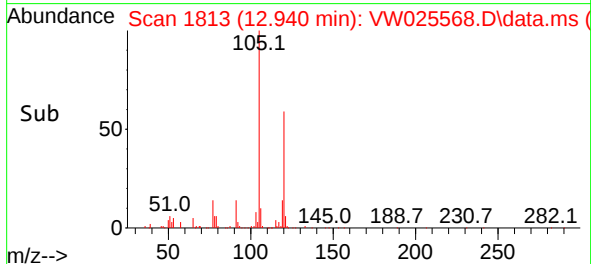
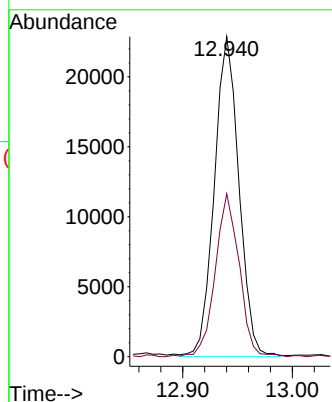
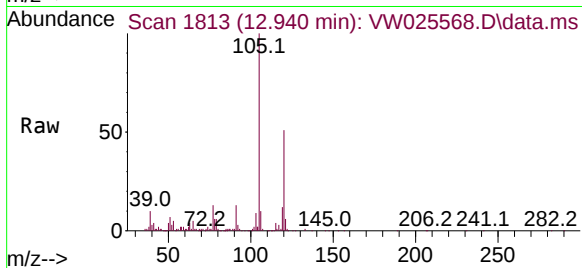
MDL-SOIL-QT2-2023-04DL

Tgt Ion:105 Resp: 35702

Ion Ratio Lower Upper

105 100

120 49.2 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 0.880 ug/L

RT: 13.251 min Scan# 1864

Delta R.T. 0.006 min

Lab File: VW025568.D

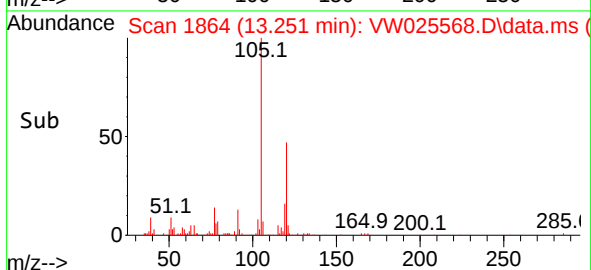
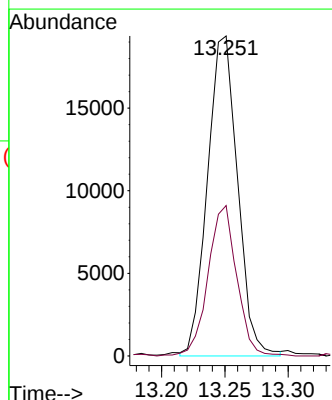
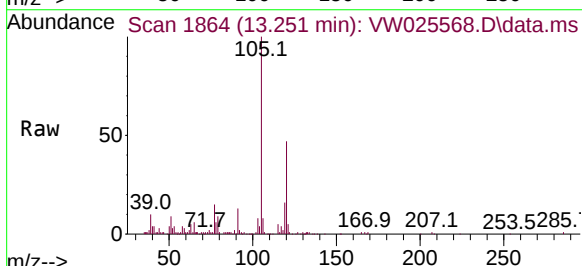
Acq: 10 Apr 2023 11:02

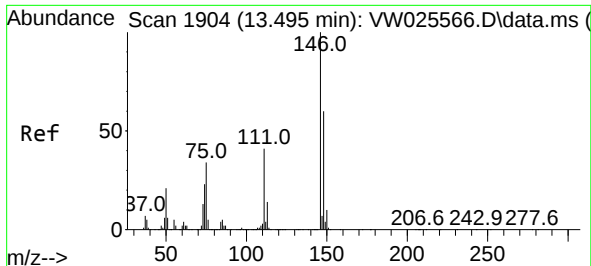
Tgt Ion:105 Resp: 32063

Ion Ratio Lower Upper

105 100

120 44.8 34.8 52.2

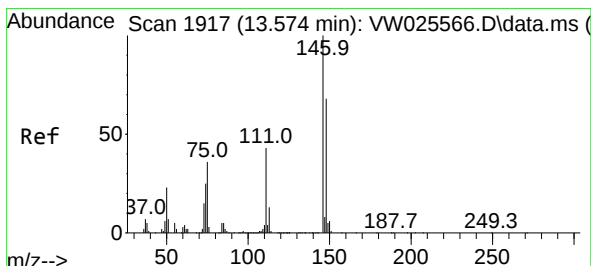
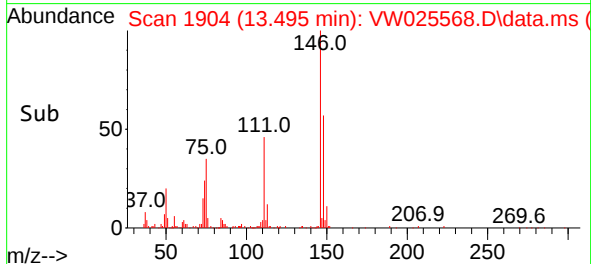
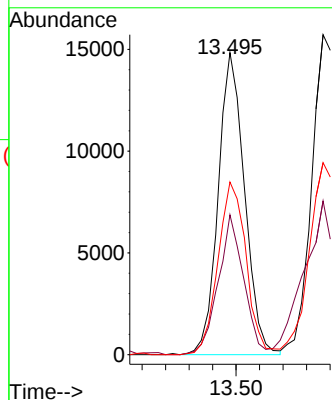
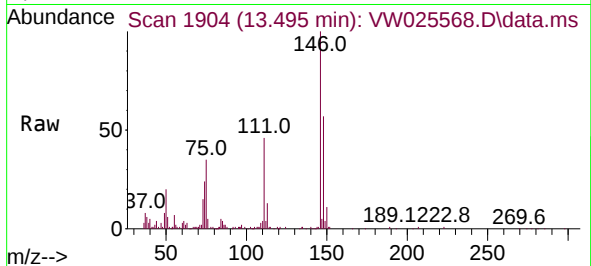




#64
1,3-Dichlorobenzene
Concen: 1.166 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

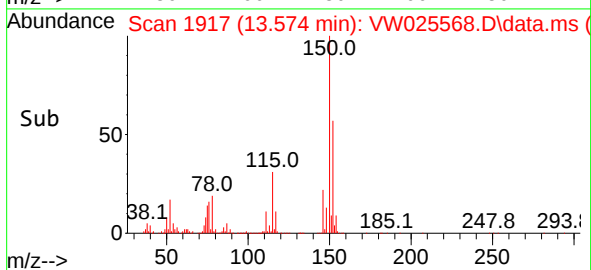
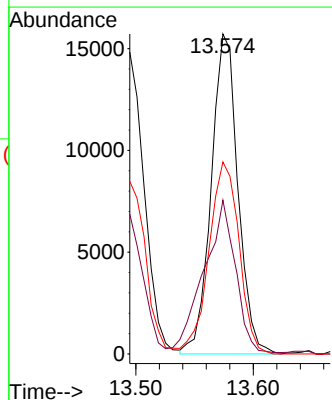
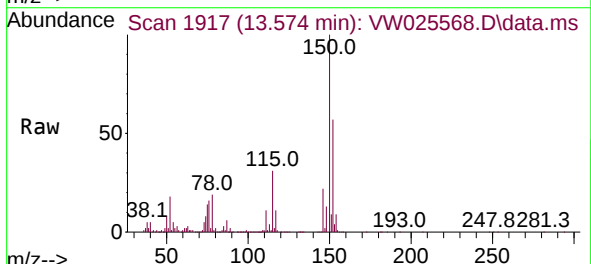
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

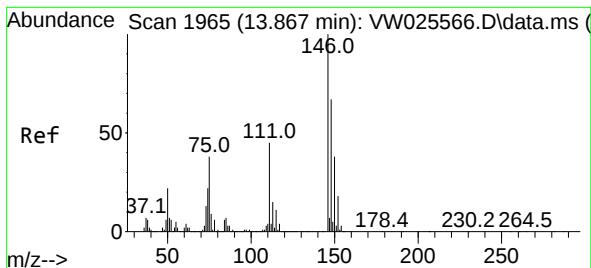
Tgt Ion:146 Resp: 23144
Ion Ratio Lower Upper
146 100
111 46.3 29.7 55.1
148 57.2 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 1.226 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion:146 Resp: 24862
Ion Ratio Lower Upper
146 100
111 48.0 30.4 56.5
148 60.0 48.6 90.3





#67

1,2-Dichlorobenzene

Concen: 1.230 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-04DL

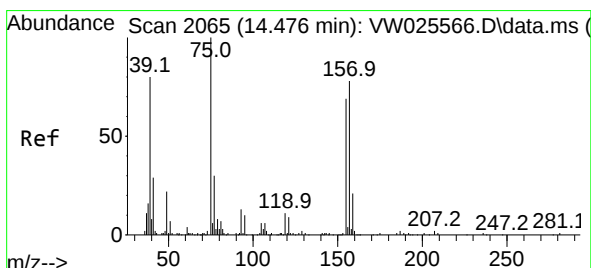
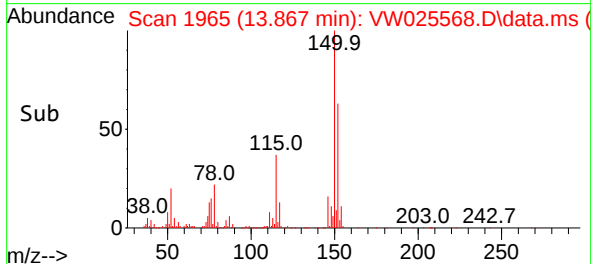
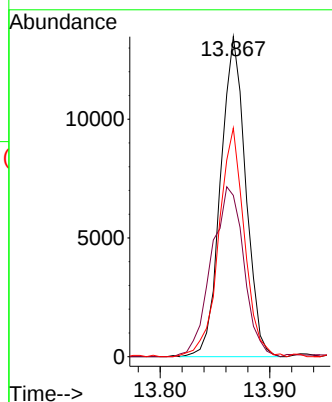
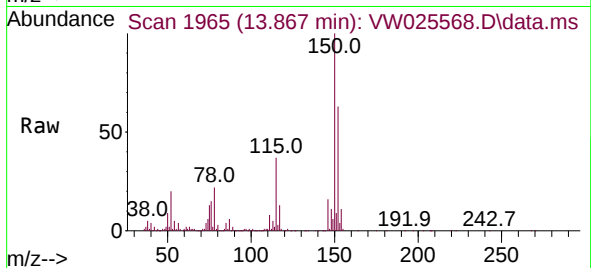
Tgt Ion:146 Resp: 21408

Ion Ratio Lower Upper

146 100

111 50.4 35.3 52.9

148 71.5 47.9 71.9



#68

1,2-Dibromo-3-chloropropane

Concen: 1.506 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

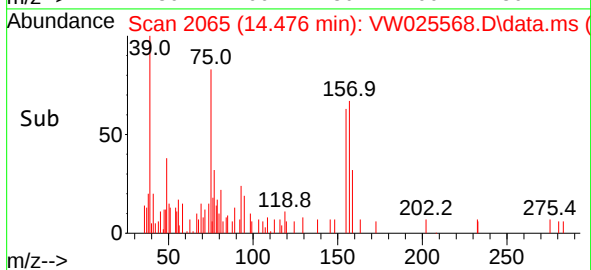
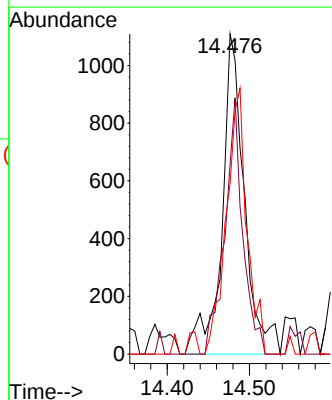
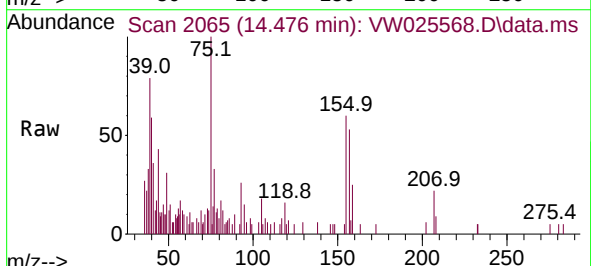
Tgt Ion: 75 Resp: 2095

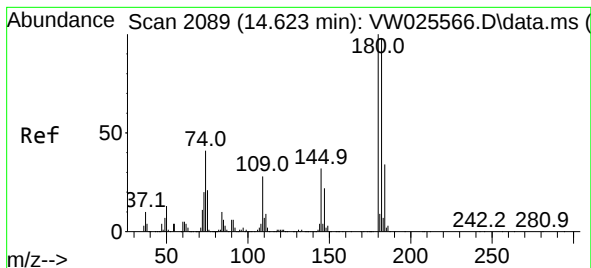
Ion Ratio Lower Upper

75 100

155 59.5 61.1 91.7#

157 60.1 72.8 109.2#





#69

1,3,5-Trichlorobenzene

Concen: 1.181 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW025568.D

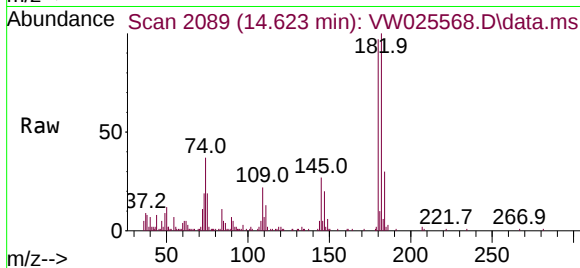
Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-04DL



Tgt Ion:180 Resp: 15696

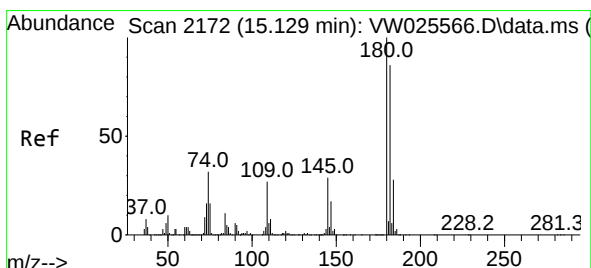
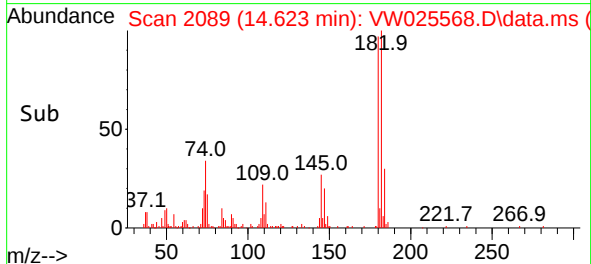
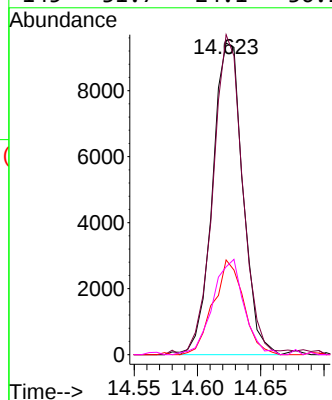
Ion Ratio Lower Upper

180 100

182 100.0 76.4 114.6

184 30.3 24.1 36.1

145 31.7 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 1.167 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

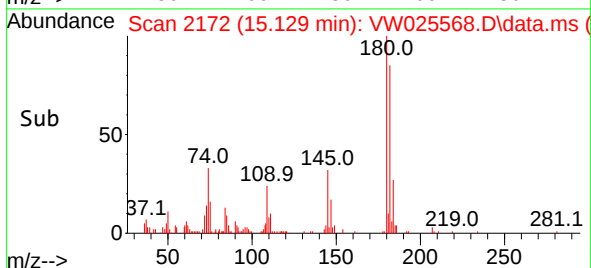
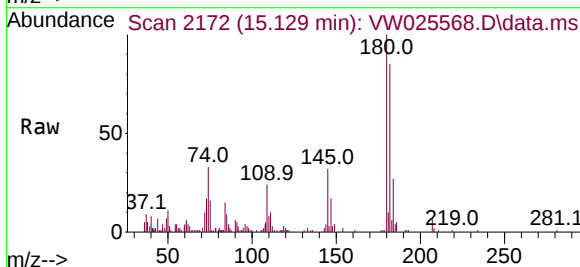
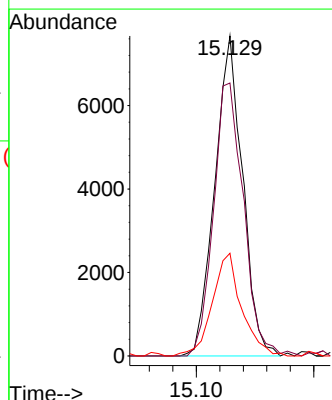
Tgt Ion:180 Resp: 12602

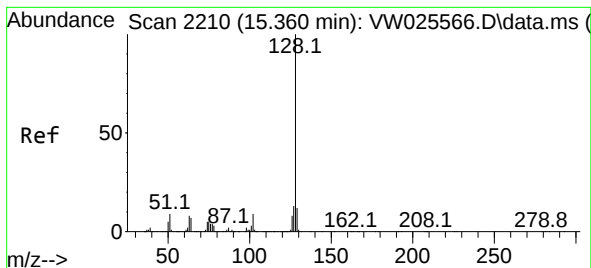
Ion Ratio Lower Upper

180 100

182 91.5 79.5 119.3

145 33.8 27.4 41.0





#71

Naphthalene

Concen: 0.893 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-04DL

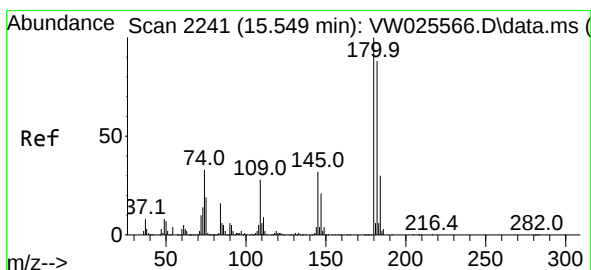
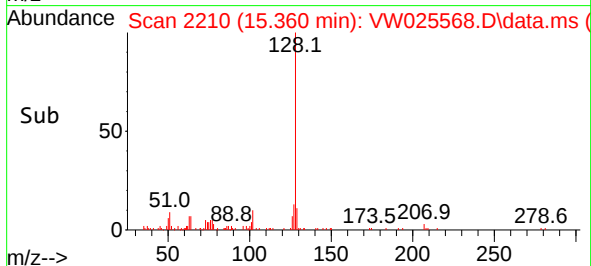
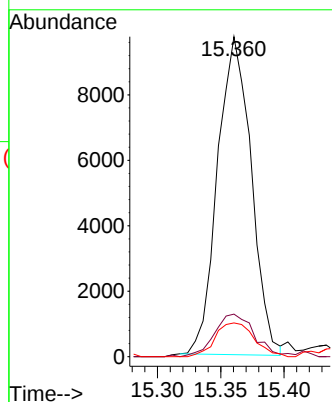
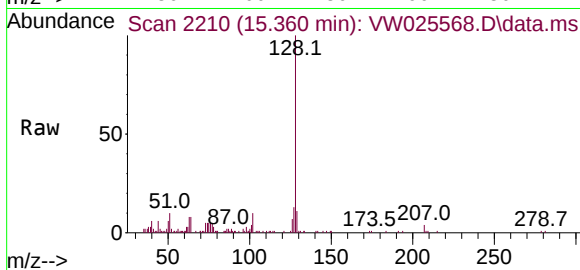
Tgt Ion:128 Resp: 17998

Ion Ratio Lower Upper

128 100

127 15.9 10.4 15.6#

129 12.3 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 1.093 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Tgt Ion:180 Resp: 10321

Ion Ratio Lower Upper

180 100

182 103.5 72.9 109.3

145 34.2 27.0 40.6

